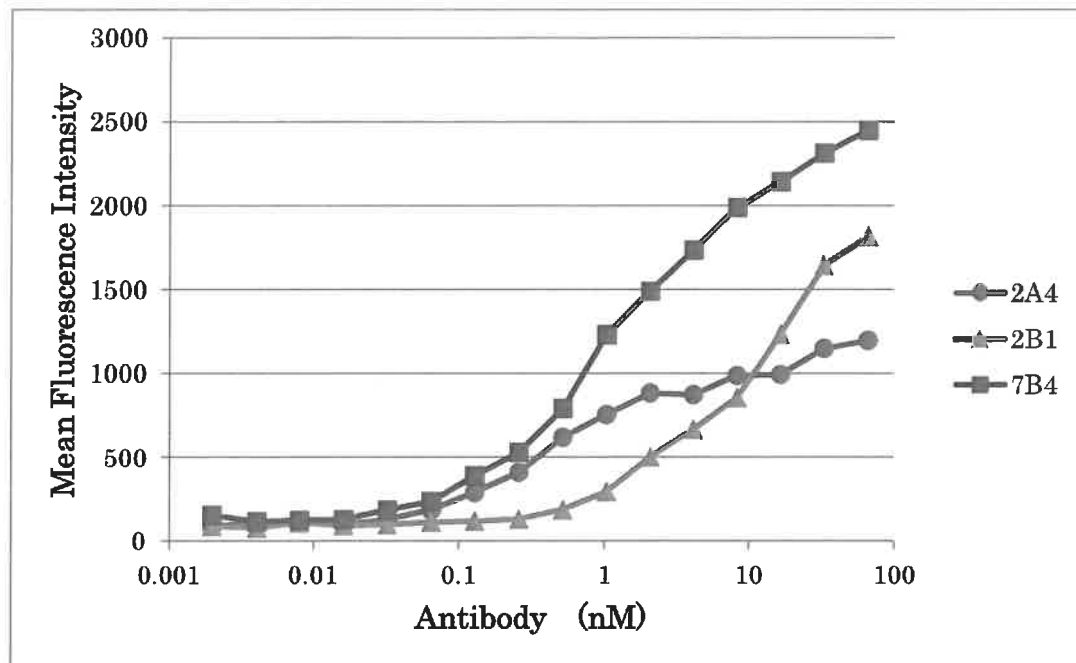


[Figure 1]



[Figure 2]

MYKDCIESTGDYFLLCDAEGPWGIILE (BIOTIN) -NH₂
(Sigma-Aldrich Co. LLC)

(SEQ ID NO: 1 of the Sequence Listing)

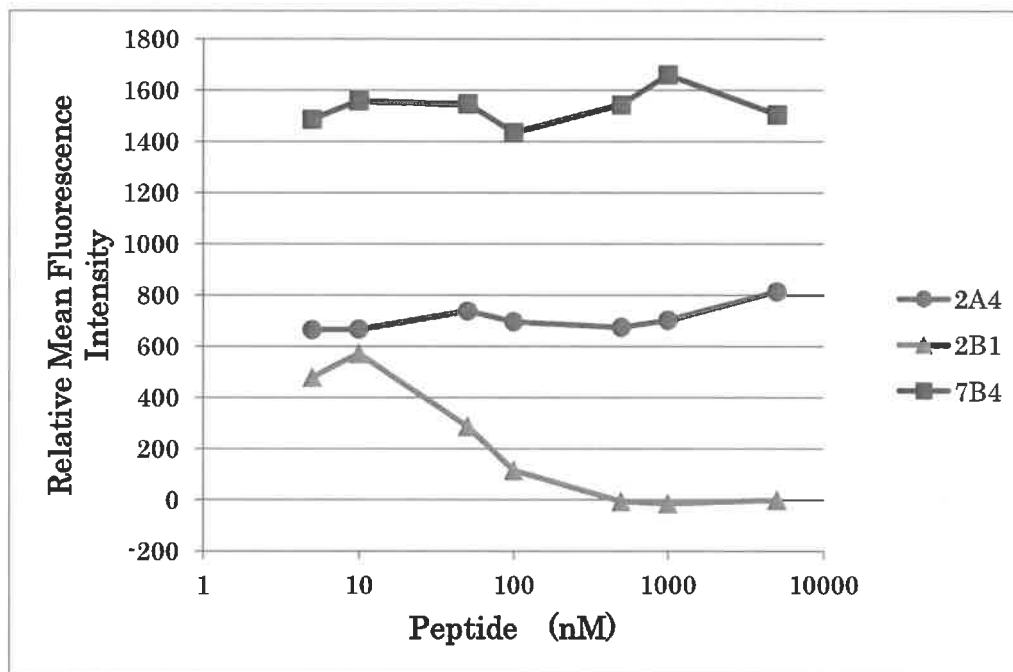
[Figure 3]

MYKDCIESTGDYFLLCDAEGPWGIILE-K (BIOTIN) -NH₂
(PEPTIDE INSTITUTE, INC.)

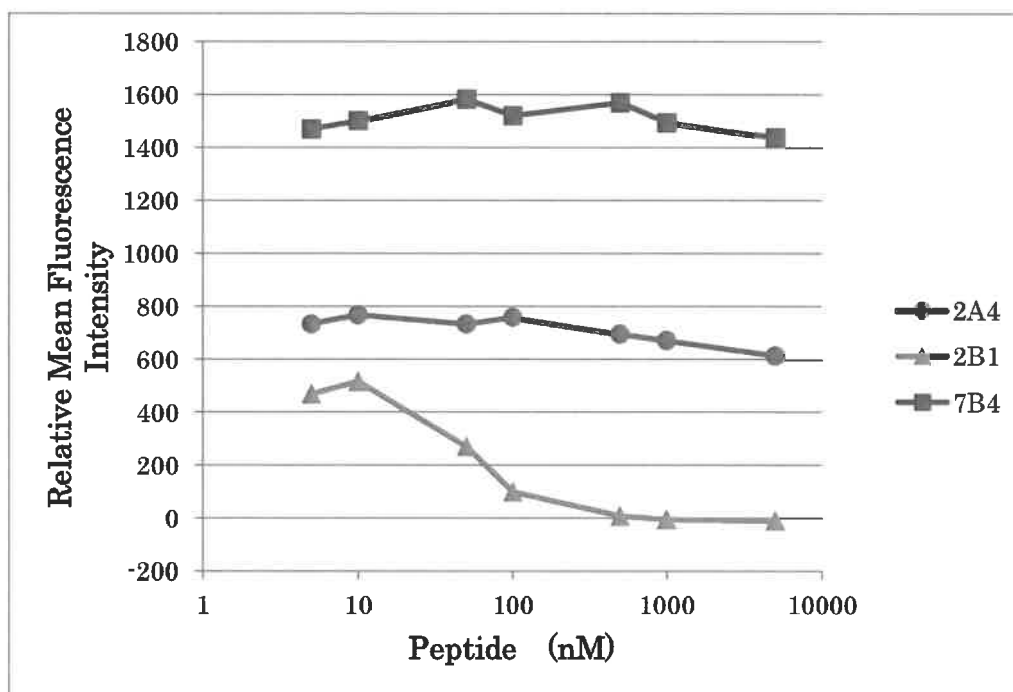
(SEQ ID NO: 2 of the Sequence Listing)

[Figure 4]

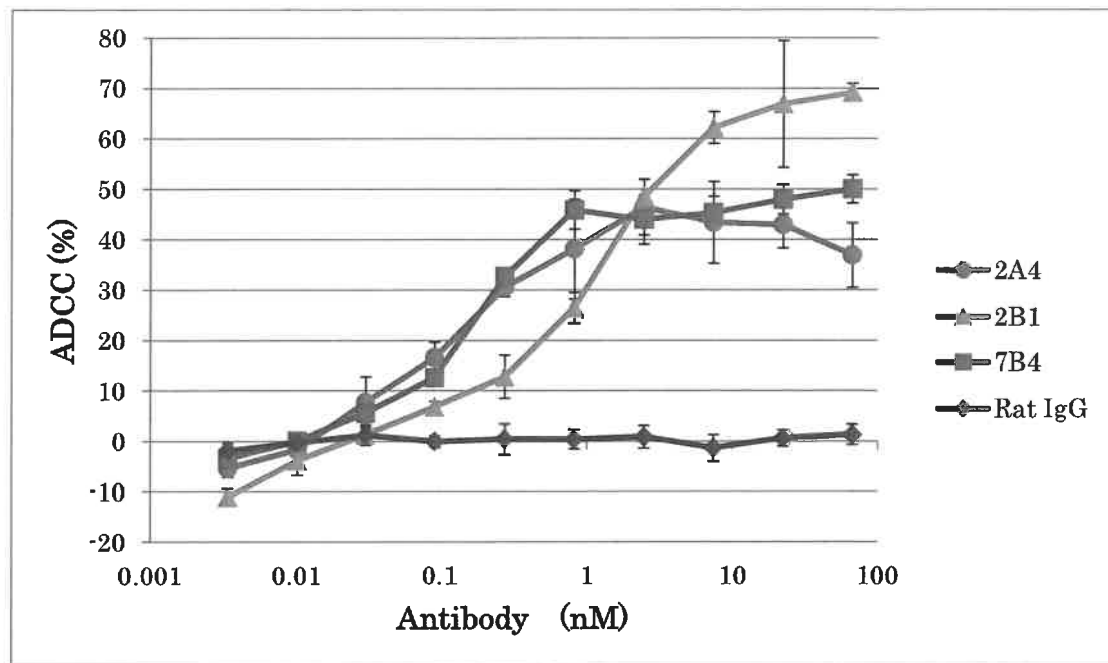
A



B



[Figure 5]



[Figure 6]

5'-CTCCAGAGTTCCAGGTCACGGTGACTGGC-3'

(SEQ ID NO: 3 of the Sequence Listing)

[Figure 7]

5'-TCAGTAACACTGTCCAGGACACCATCTC-3'

(SEQ ID NO: 10 of the Sequence Listing)

[Figure 8]

CAGGTCCAGTTGCAGCAATCTGGAGCTGAGCTGGCTAAACCTGGGACTTCAGTGAAGCT
GTCCTGCAAGGCTTCTGGCTATACCTTCACCAGCTACTATATTTACTGGGTAAAGCAGA
GGCCTGGACAGGGCCTTGAGTGGATCGGATATGTTTATCCTGGATATGGTGGTACTTAC
TACAGTGATAAGTTCAAGGGCAAAGCCACATTTACTGCAGACACATCCTCCAGCACAGC
CTACATGCTACTGGGCAGCCTGACACCTGAGGACTCTGCGTACTATTTCTGTGCAAGAC
GGAAGGTATAATTCTGGGGTCCGGGGTACTTTGATTACTGGGGCCAAGGAGTCATGGTC
ACAGTCTCCTCA

(SEQ ID NO: 4 of the Sequence Listing)

[Figure 9]

QVQLQQSGAELAKPGTSVKLSCKASGYTFTSYIYWVKQRPGQGLEWIGYVYPGYGGTY
YSDKFKGKATFTADTSSSTAYMLLGSLLTPEDSAYYFCARRKGIIRGPGYFDYWGQGMV
TVSS

(SEQ ID NO: 5 of the Sequence Listing)

[Figure 10]

CAGGTTACTCTGAAAGAGTCTGGCCCTGGGATATTGCAGCCCTCCCAGACCCTCAGTCT
GACTTGCACTTTCTCTGGGTTTTCTACTGAACACTTATGATATGGGTGTGGGCTGGATTC
GTCAGCCTTCAGGGAAGGGTCTGGAGTGGCTGGCAAACATTTGGTGGGATGATGATAAG
TACTACAATCCATCTCTGAGAAACCGGCTCACAATCTCCAAGGACACCTCCAACAACCA
AGCATTCCTCAAGATCACCAATGTGGACACTGCAGATACTGCCACATACTACTGTGCTC
GGATCGAAACTGTCCGGGTTTCCCGTAAGGGGTTTGCTCACTGGGGCCAAGGCACTCTG
GTCACTGTCTCTTCA

(SEQ ID NO: 6 of the Sequence Listing)

[Figure 11]

QVTLKESGPGILQPSQTLSTCTFSGFSLNTYDMGVGWIRQPSGKGLEWLANIWWDDDK
YYNPSLRNRLTISKDTSNNQAFCLKITNVDTADTATYYCARIETVRVSRKGFHAWGQGL
VTVSS

(SEQ ID NO: 7 of the Sequence Listing)

[Figure 12]

GAGATACACCTGCAGGAGTCAGGACCTGGCCTTGTGAAACCTTCACAGTCACTCTCCCT
CACCTGTTCTGTCACTGGTTACACCATACCAGTGGTTATGATTGGAGCTGGATCCGGA
AGTTCCCAGGAAATAAAATGGAGTGGATGGCATACATGAGCTATAGAGGTAGCACTAAC
TACAACCCCTCGCTCAAAAGTCGAATCTCCATTACAAGAGACACATCCAAGAATCAGTT
CTTCCTGCAGTTGAATTCTGTCACTACTGAGGATACAGCCACATATTACTGTGCCCTAA
CAAGGACCTATTGGTATAACTATTACTATGTTTTGGATGCCTGGGGTCAAGGAGCTTCA
GTCACTGTCTCCTCA

(SEQ ID NO: 8 of the Sequence Listing)

[Figure 13]

EIHLQESGPGLVKPSQSLSLTCSVTGYTITSGYDWSWIRKFPGNKMEWMAYMSYRGSTN
YNPSLKSRIITRDTSKNQFFLQLNSVTTEDTATYYCALTRTYWYNYVLDWQGAS
VTVSS

(SEQ ID NO: 9 of the Sequence Listing)

[Figure 14]

GACATCCAGATGACACAGTCTCCAGCTTCCCTGTCTGCATCTCTGGGAGAACTGTCTC
CATCGAATGTCTTGCAAGTGAGGGCATTTCGAATAGTTTAGCGTGGTATCAGCAGAAGC
CAGGGAAATCTCCTCAGCTCCTGATCTATGGTGCAAGTAGCTTGCAAGACGGGGTCCCA
TCACGGTTCAGTGGCAGTGGTTCTGGCACGCAGTATTCTCTCAAGATCAGCGGCATGCA
ACCTGAAGATGAAGGGCTTTATTACTGTCAACAGGGTTACAAGTATCCTCCGACGTTTCG
GTGGAGGCACCAAGCTGGAATTGAAA

(SEQ ID NO: 11 of the Sequence Listing)

[Figure 15]

DIQMTQSPASLSASLGTVSIECLASEGISNSLAWYQQKPGKSPQLLIYGASSLQDGVF
SRFSGSGSGTQYSLKISGMQPEDEGLYYCQQGYKYPPTFGGGTKLELK

(SEQ ID NO: 12 of the Sequence Listing)

[Figure 16]

GAAACTGTGATGACCCAGTCTCCACATCCATGTCCACATCAATAGGAGAGAGGGTCAC
CCTGAACTGCAAGGCCAGTCAGAGTGTGGGTATTAATGTAGACTGGTACCAACAGACAC
CAGGGCAGTCTCCTAAACTGCTGATATATGGGGCATCCAACCGGCACACTGGGGTCCCT
GATCGCTTCACAGGCAGTGGATTTGGGAGAGATTTCACTCTCACCATCAGCAACGTGGA
GGCTGAAGACCTGGCTGTTTATTACTGTCTGCAGCATGGCTCCATTCTCCGACGTTTCG
GTGGAGGCACCAAGCTGGAATTGAAA

(SEQ ID NO: 13 of the Sequence Listing)

[Figure 17]

ETVMTQSPTSMSTSIGERVTLNCKASQSVGINVDWYQQTPGQSPKLLIYGASNRHTGVP
DRFTGSGFGRDFTLTISNVEAEDLAVYYCLQHGSIPPTFGGGTKLELK

(SEQ ID NO: 14 of the Sequence Listing)

[Figure 18]

GACATCCAGATGACCCAGTCTCCTTCATTCCTGTCTGCATCTGTGGGAGAAAGAGTCAC
TCTCAGCTGCAAAGCAAGTCAGAATATTAACAAGTACTTAGACTGGTATCAGCAAAAGC
TTGGAGAACCTCCCAAACCTCCTGATATATAATAACAAACAATTTGCATACGGGCATCCCA
TCAAGGTTCAAGTGGCAGTGGATCTGGTACAGATTACACACTCACCATCAGCGGCCTGCA
GCCTGAAGATGTTGCCACATATTTCTGCTTGCAGCGTAATAGTTGGTACACGTTTGGAG
CTGGGACCAAGCTGGAAGTGA

(SEQ ID NO: 15 of the Sequence Listing)

[Figure 19]

DIQMTQSPSFLSASVGERVTLSCKASQNINKYLDWYQQKLGEPPKLLIYNTNNLHTGIP
SRFSGSGSGTDYTLTISGLQPEDVATYFCLQRNSWYTFGAGTKLELK

(SEQ ID NO: 16 of the Sequence Listing)

[Figure 20]

GCCTCCGGACTCTAGAGCCACCATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGC
TGTGGATCTCCGGCGCGTACGGCGATATCGTGATGATTAAACGTACGGTGGCCGCCCCC
TCCGTGTTTCATCTTCCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGT
GTGCCTGCTGAATAACTTCTACCCCAGAGAGGCCAAGGTGCAGTGAAGGTGGACAACG
CCCTGCAGTCCGGGAACCTCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACC
TACAGCCTGAGCAGCACCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTA
CGCCTGCGAGGTGACCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGG
GGGAGTGTTAGGGGCCCCGTTTAAACGGGGGAGGCTA

(SEQ ID NO: 17 of the Sequence Listing)

[Figure 21]

5'-TATACCGTCGACCTCTAGCTAGAGCTTGGC-3'

(SEQ ID NO: 18 of the Sequence Listing)

[Figure 22]

5'-GCTATGGCAGGGCCTGCCGCCCCGACGTTG-3'

(SEQ ID NO: 19 of the Sequence Listing)

[Figure 23]

GCCTCCGGACTCTAGAGCCACCATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAG
CTCCCAGATGGGTGCTGAGCCAGGTGCAATTGTGCAGGCGGTTAGCTCAGCCTCCACCA
AGGGCCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCAAGAGCACCTCTGGCGGCACAGCC
GCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCCGTGACCGTGAGCTGGAACCTC
AGGCGCCCTGACCAGCGGCGTGCACACCTTCCCCGCTGTCTGCAGTCCTCAGGACTCT
ACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGCTTGGGCACCCAGACCTACATC
TGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCCAAATC
TTGTGACAAAACCTCACACATGCCCACCCTGCCCAGCACCTGAACTCCTGGGGGGACCCT
CAGTCTTCCTCTTCCCCC AAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAG
GTCACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTA
CGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCCCGGGAGGAGCAGTACAACA
GCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAG
GAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTC
CAAAGCCAAAGGCCAGCCCCGGGAACCAAGGTGTACACCCTGCCCCCATCCCGGGAGG
AGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGAC
ATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCCGAGAACAACCTACAAGACCACCCCTCC
CGTGCTGGACTCCGACGGCTCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCA
GGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCAC
TACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAATGAGATATCGGGCCCGTTTAAAC
GGGGGAGGCTA

(SEQ ID NO: 20 of the Sequence Listing)

[Figure 24]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGACATCCAGATGACACAGTCTCCAGCTTCCCTGTCTGCATCTCTGGGAGAACTGTCT
CCATCGAATGTCTTGCAAGTGAGGGCATTTCGAATAGTTTAGCGTGGTATCAGCAGAAG
CCAGGGAAATCTCCTCAGCTCCTGATCTATGGTGCAAGTAGCTTGCAAGACGGGGTCCC
ATCACGGTTCAGTGGCAGTGGTTCTGGCACGCAGTATTCTCTCAAGATCAGCGGCATGC
AACCTGAAGATGAAGGGCTTTATTACTGTCAACAGGGTTACAAGTATCCTCCGACGTTT
GGTGGAGGCACCAAGCTGGAATTGAAACGGGCTGTGGCCGCCCCCTCCGTGTTTCATCTT
CCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATA
ACTTCTACCCCAGAGAGGCCAAGGTGCAGTGAAGGTGGACAACGCCCTGCAGTCCGGG
AACTCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAG
CACCCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGA
CCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 21 of the Sequence Listing)

[Figure 25]

MVLQTQVFISLLLWISGAYGDIQMTQSPASLSASLGETVSIIECLASEGISNSLAWYQQK
PGKSPQLLIYGASSLQDGVPSRFSGSGSGTQYSLKISGMQPEDEGLYYCQQGYKYPPTF
GGGKLELKRAVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSG
NSQESVTEQDSKSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 22 of the Sequence Listing)

[Figure 26]

5'-ATCTCCGGCGCGTACGGCGACATCCAGATGACACAGTCTCCAGC-3'

(SEQ ID NO: 23 of the Sequence Listing)

[Figure 27]

5'-GGAGGGGGCGGCCACAGCCCGTTTCAATTCCAGCTTGGTGCCTC-3'

(SEQ ID NO: 24 of the Sequence Listing)

[Figure 28]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTCCAGTTGCAGCAATCTGGAGCTGAGCTGGCTAAACCTGGGACTTCAGTGAAGCTGT
CCTGCAAGGCTTCTGGCTATACCTTCACCAGCTACTATATTTACTGGGTAAAGCAGAGG
CCTGGACAGGGCCTTGAGTGGATCGGATATGTTTATCCTGGATATGGTGGTACTTACTA
CAGTGATAAGTTCAAGGGCAAAGCCACATTTACTGCAGACACATCCTCCAGCACAGCCT
ACATGCTACTGGGCAGCCTGACACCTGAGGACTCTGCGTACTATTTCTGTGCAAGACGG
AAGGGTATAATTCTGGGGTCCGGGGTACTTTGATTACTGGGGCCAAGGAGTCATGGTCAC
AGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCAAGA
GCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCC
GTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACCTTCCCCGCTGT
CCTGCAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGCT
TGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGAC
AAGAGAGTTGAGCCCAAATCTTGTGACAAAACCTCACACATGCCCACCCTGCCAGCACC
TGAACCTCCTGGGGGGACCCCTCAGTCTTCTTCCCCCAAAACCCAAGGACACCCTCA
TGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCT
GAGGTCAAGTTCAACTGGTACGTGGACGGCGTGAGGTGCATAATGCCAAGACAAAGCC
CCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGCACC
AGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCC
CCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTACAC
CCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTGAGCCTGACCTGCCTGGTCA
AAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCAGAAC
AACTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCTCTACAGCAA
GCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGATGC
ATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA
(SEQ ID NO: 25 of the Sequence Listing)

[Figure 29]

MKHLWFFLLLVAAPRWVLSQVQLQQSGAELAKPGTSVKLSCKASGYTFTSYIYWVKQR
PGQGLEWIGYVYPGYGGTYYSDFKFKATFTADTSSSTAYMLLGSLTPEDSAYYFCARR
KGIIRGPGYFDYWGQGVMVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEP
VTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVD
KRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDP
EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPA
PIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPEN
NYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSQVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 26 of the Sequence Listing)

[Figure 30]

5'-CCAGATGGGTGCTGAGCCAGGTCCAGTTGCAGCAATCTGGAGCTG-3'

(SEQ ID NO: 27 of the Sequence Listing)

[Figure 31]

5'-CTTGGTGGAGGCTGAGCTGACTGTGACCATGACTCCTTGGCCCCAG-3'

(SEQ ID NO: 28 of the Sequence Listing)

[Figure 32]

ATGGTGTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGAAACTGTGATGACCCAGTCTCCACATCCATGTCCACATCAATAGGAGAGAGGGTCA
CCCTGAACTGCAAGGCCAGTCAGAGTGTGGGTATTAATGTAGACTGGTACCAACAGACA
CCAGGGCAGTCTCCTAAACTGCTGATATATGGGGCATCCAACCGGCACACTGGGGTCCC
TGATCGCTTCACAGGCAGTGGATTTGGGAGAGATTTCACTCTCACCATCAGCAACGTGG
AGGCTGAAGACCTGGCTGTTTATTACTGTCTGCAGCATGGCTCCATTCCTCCGACGTTT
GGTGGAGGCACCAAGCTGGAATTGAAACGGGCTGTGGCCGCCCCCTCCGTGTTTCATCTT
CCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATA
ACTTCTACCCCAGAGAGGCCAAGGTGCAGTGGAAAGGTGGACAACGCCCTGCAGTCCGGG
AACTCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAG
CACCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGA
CCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 29 of the Sequence Listing)

[Figure 33]

MVLQTQVFISLLWISGAYGETVMTQSPTSMSTSIGERVTLNCKASQSVGINVDWYQQT
PGQSPKLLIYGASNRHTGVPDRFTGSGFGRDFTLTISNVEAEDLAVYYCLQHGSIPPTF
GGGTKLELKRAVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSG
NSQESVTEQDSKSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 30 of the Sequence Listing)

[Figure 34]

5'-ATCTCCGGCGCGTACGGCGAAACTGTGATGACCCAGTCTCCAC-3'

(SEQ ID NO: 31 of the Sequence Listing)

[Figure 35]

5'-GGAGGGGGCGGCCACAGCCCGTTTCAATTCCAGCTTGGTGCCTC-3'

(SEQ ID NO: 32 of the Sequence Listing)

[Figure 36]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTTACTCTGAAAGAGTCTGGCCCTGGGATATTGCAGCCCTCCCAGACCCTCAGTCTGA
CTTGCACTTTCTCTGGGTTTTCACTGAACACTTATGATATGGGTGTGGGCTGGATTTCGT
CAGCCTTCAGGGAAGGGTCTGGAGTGGCTGGCAAACATTTGGTGGGATGATGATAAGTA
CTACAATCCATCTCTGAGAAACCGGCTCACAATCTCCAAGGACACCTCCAACAACCAAG
CATTCTCAAGATCACCAATGTGGACACTGCAGATACTGCCACATACTACTGTGCTCGG
ATCGAAACTGTCCGGGTTTCCCGTAAGGGGTTTGCTCACTGGGGCCAAGGCACTCTGGT
CACTGTCAGCTCAGCCTCCACCAAGGGCCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACACCTTCCCCGC
TGTCTGTCAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGTGACAAACTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCCAGAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAACCTACAAGACCACCCCTCCCGTGTGGACTCCGACGGCTCCTTCTTCCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA
(SEQ ID NO: 33 of the Sequence Listing)

[Figure 37]

MKHLWFFLLLVAAPRWVLSQVTLKESGPGILQPSQTLSLTCTFSGFSLNTYDMGVGWIR
QPSGKGLEWLANIWWDDDKYYNP SLRNRLTISKDTSNNQAF LKITNVDTADTATYYCAR
IETVRVSRKGF AHWGQGT LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 34 of the Sequence Listing)

[Figure 38]

5'-CCAGATGGGTGCTGAGCCAGGTTACTCTGAAAGAGTCTGGCCCTG-3'

(SEQ ID NO: 35 of the Sequence Listing)

[Figure 39]

5'-CTTGGTGGAGGCTGAGCTGACAGTGACCAGAGTGCCTTGGCCCCAG-3'

(SEQ ID NO: 36 of the Sequence Listing)

[Figure 40]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGACATCCAGATGACCCAGTCTCCTTCATTCTGTCTGCATCTGTGGGAGAAAGAGTCA
CTCTCAGCTGCAAAGCAAGTCAGAATATTAACAAGTACTTAGACTGGTATCAGCAAAAG
CTTGGAGAACCTCCCAAACCTCCTGATATATAATAACAAACAATTTGCATACGGGCATCCC
ATCAAGGTTTCAGTGGCAGTGGATCTGGTACAGATTACACACTCACCATCAGCGGCCTGC
AGCCTGAAGATGTTGCCACATATTTCTGCTTGCAGCGTAATAGTTGGTACACGTTTGGA
GCTGGGACCAAGCTGGAACGAAACGGGCTGTGGCCGCCCCCTCCGTGTTTCATCTTCCC
CCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATAACT
TCTACCCCAGAGAGGCCAAGGTGCAGTGGAAAGGTGGACAACGCCCTGCAGTCCGGGAAC
TCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAGCAC
CCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGACCC
ACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 37 of the Sequence Listing)

[Figure 41]

MVLQTQVFISLLLWISGAYGDIQMTQSPSFLSASVGERVTLSCKASQNINKYLDWYQQK
LGEPKLLIYNTNNLHTGIPSRFSGSGSDYTLTISGLQPEDVATYFCLQRNSWYTFG
AGTKLELKRAVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGN
SQESVTEQDSKDYSLSSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 38 of the Sequence Listing)

[Figure 42]

5'-ATCTCCGGCGCGTACGGCGACATCCAGATGACCCAGTCTCCTTC-3'

(SEQ ID NO: 39 of the Sequence Listing)

[Figure 43]

5'-GGAGGGGGCGGCCACAGCCCGTTTCAGTTCAGCTTGGTCCCAG-3'

(SEQ ID NO: 40 of the Sequence Listing)

[Figure 44]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGA
GATACACCTGCAGGAGTCAGGACCTGGCCTTGTGAAACCTTCACAGTCACTCTCCCTCA
CCTGTTCTGTCACTGGTTACACCATTACCAGTGGTTATGATTGGAGCTGGATCCGGAAG
TTCCCAGGAAATAAAATGGAGTGGATGGCATACATGAGCTATAGAGGTAGCACTAACTA
CAACCCCTCGCTCAAAAGTCGAATCTCCATTACAAGAGACACATCCAAGAATCAGTTCT
TCCTGCAGTTGAATTCTGTCACTACTGAGGATACAGCCACATATTACTGTGCCCTAACA
AGGACCTATTGGTATAACTATTACTATGTTTTGGATGCCTGGGGTCAAGGAGCTTCAGT
CACTGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACCTTCCCCGC
TGTCTGCACTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGA¹CCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGTGACAAAACCTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCC²AAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTACGCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACA³ACTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 41 of the Sequence Listing)

[Figure 45]

MKHLWFFLLLVAAPRWVLSEIHLQESGPGLVKPSQSLSLTCSVTGYTITSGYDWSWIRK
 FPGNKMEWMAYMSYRGSTNYPNPSLKSRIISITRDTSKNQFFLQLNSVTTEDTATYYCALT
 RTYWYNYYYVLDAGWGQASVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
 PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKV
 DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHED
 PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
 APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
 NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 42 of the Sequence Listing)

[Figure 46]

5'-CCAGATGGGTGCTGAGCGAGATACACCTGCAGGAGTCAGGACCTG-3'

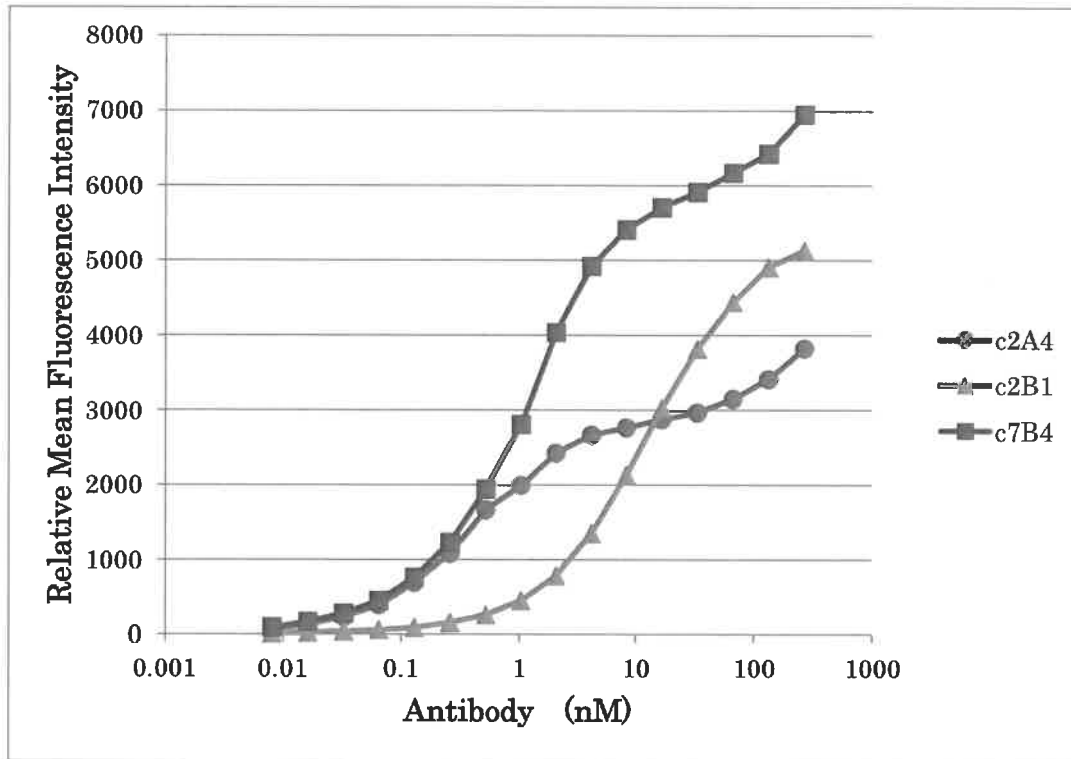
(SEQ ID NO: 43 of the Sequence Listing)

[Figure 47]

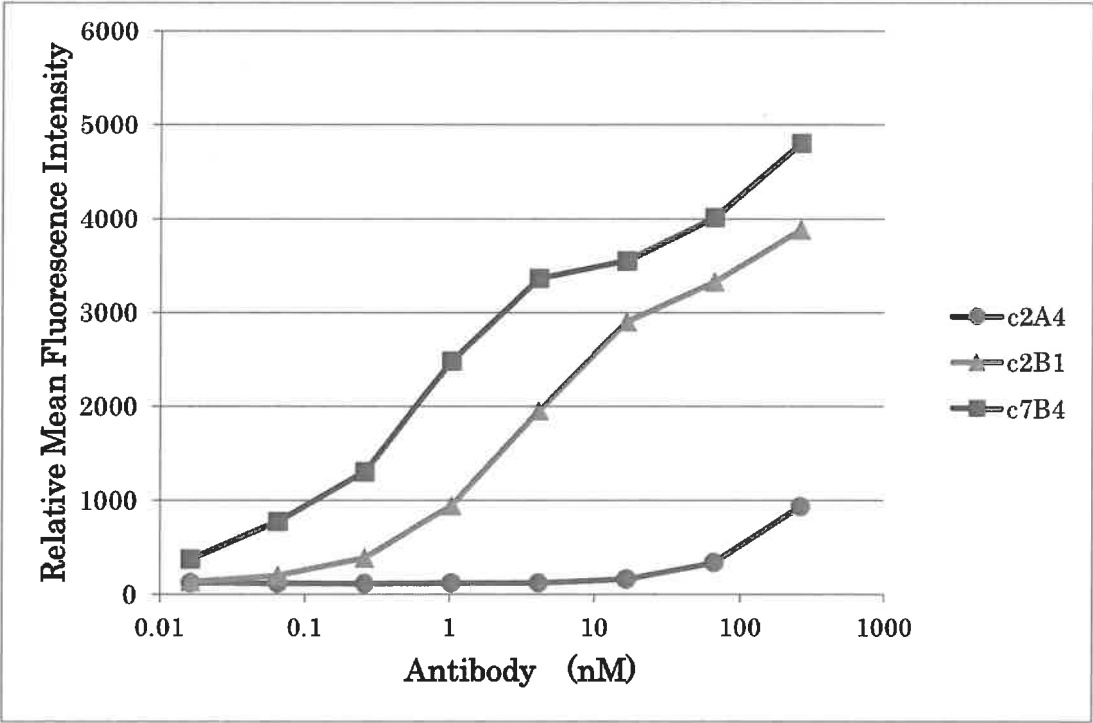
5'-CTTGGTGGAGGCTGAGCTGACAGTGACTGAAGCTCCTTGACCCCAG-3'

(SEQ ID NO: 44 of the Sequence Listing)

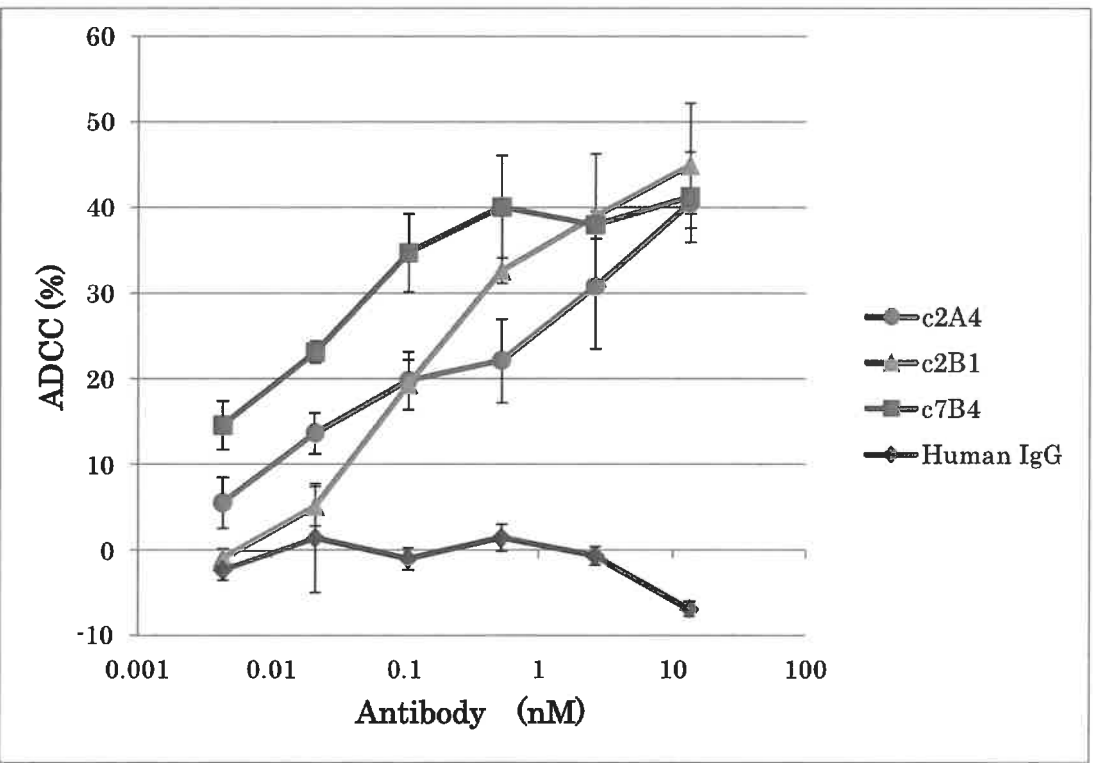
[Figure 48]



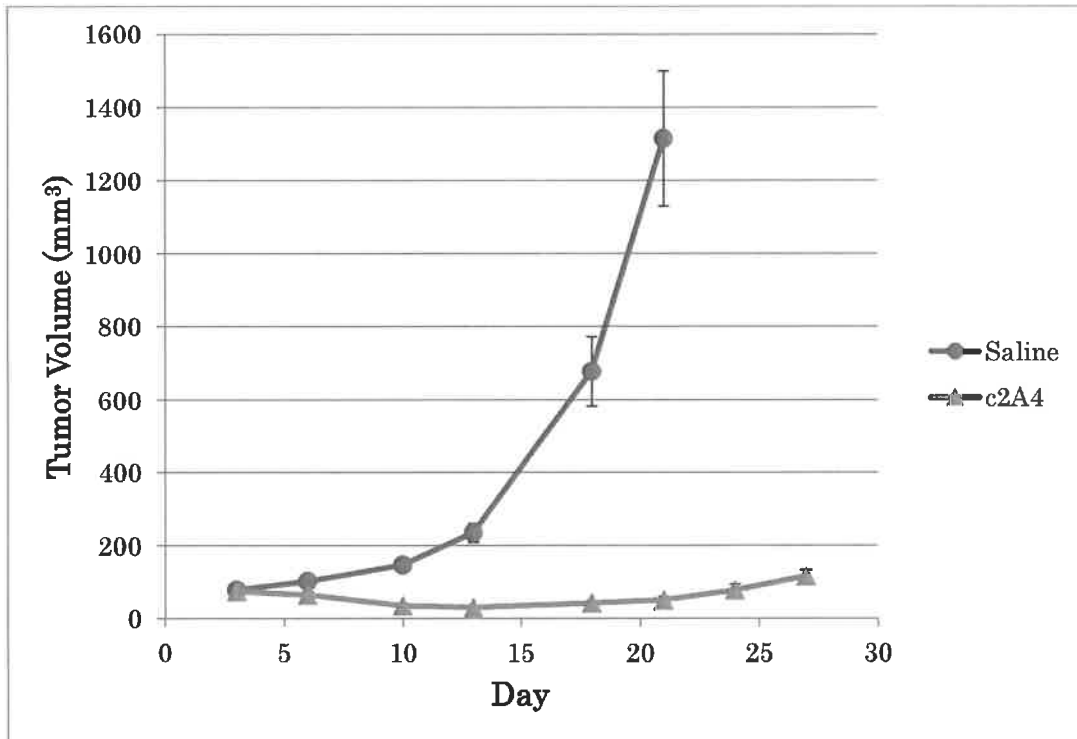
[Figure 49]



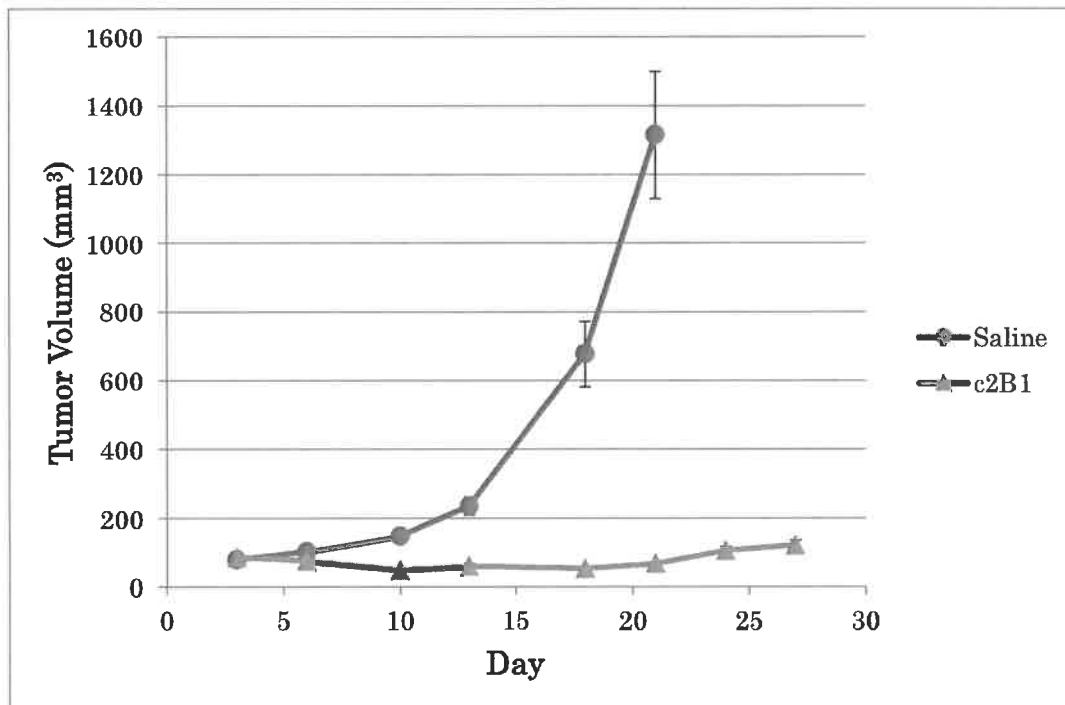
[Figure 50]



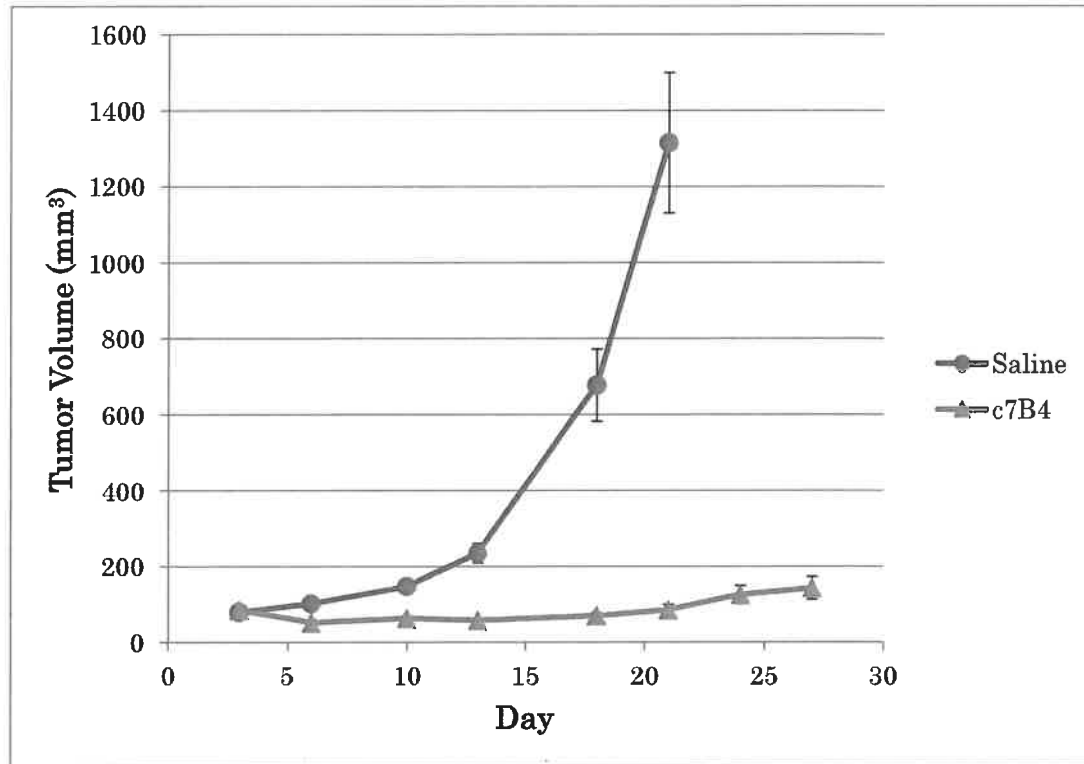
[Figure 51]



[Figure 52]



[Figure 53]



[Figure 54]

GYTFTSY

(SEQ ID NO: 45 of the Sequence Listing)

[Figure 55]

VYPGYGGT

(SEQ ID NO: 46 of the Sequence Listing)

[Figure 56]

ARRKGIIRGPGYFDY

(SEQ ID NO: 47 of the Sequence Listing)

[Figure 57]

GFSLNTYDMG

(SEQ ID NO: 48 of the Sequence Listing)

[Figure 58]

IWWDDDK

(SEQ ID NO: 49 of the Sequence Listing)

[Figure 59]

ARIETVRVSRKGFAH

(SEQ ID NO: 50 of the Sequence Listing)

[Figure 60]

GYTITSGYD

(SEQ ID NO: 51 of the Sequence Listing)

[Figure 61]

MSYRGST

(SEQ ID NO: 52 of the Sequence Listing)

[Figure 62]

ALTRTYWYNYYYVLDA

(SEQ ID NO: 53 of the Sequence Listing)

[Figure 63]

EGISNS

(SEQ ID NO: 54 of the Sequence Listing)

[Figure 64]

GAS

(SEQ ID NO: 55 of the Sequence Listing)

[Figure 65]

QQGYKYPPT

(SEQ ID NO: 56 of the Sequence Listing)

[Figure 66]

QSVGIN

(SEQ ID NO: 57 of the Sequence Listing)

[Figure 67]

GAS

(SEQ ID NO: 58 of the Sequence Listing)

[Figure 68]

LQHGSIPPT

(SEQ ID NO: 59 of the Sequence Listing)

[Figure 69]

QNINKY

(SEQ ID NO: 60 of the Sequence Listing)

[Figure 70]

NTN

(SEQ ID NO: 61 of the Sequence Listing)

[Figure 71]

LQRNSWYT

(SEQ ID NO: 62 of the Sequence Listing)

[Figure 72]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGATACCGTGATGACCCAGAGCCCTGACAGCCTGGCCGTGTCTCTGGGAGAGAGAGCCA
CCATCAACTGCAAGGCCAGCCAGAGCGTGGGCATCAACGTGGACTGGTATCAGCAGAAG
CCCGGCCAGCCCCCAAGCTGCTGATCTACGGCGCCAGCAATAGACACACCGGCGTGCC
CGATAGATTTCAGCGGCTCTGGCAGCGGCAGAGACTTCACCCTGACCATCAGCTCCCTGC
AGGCCGAGGATGTGGCCGTGTACTACTGTCTGCAGCACGGCAGCATCCCCCCCACATTT
GGCCAGGGCACCAAGGTGGAAATCAAGCGTACGGTGGCCGCCCCCTCCGTGTTTCATCTT
CCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATA
ACTTCTACCCCAGAGAGGCCAAGGTGCAGTGGAAGGTGGACAACGCCCTGCAGTCCGGG
AACTCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAG
CACCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAAGGTGTACGCCTGCGAGGTGA
CCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 63 of the Sequence Listing)

[Figure 73]

MVLQTQVFISLLLWISGAYGDTVMTQSPDSLAVSLGERATINCKASQSVGINVDWYQQK
PGQPPKLLIYGASNRHTGVPDRFSGSGSGRDFTLTISSLQAEDVAVYYCLQHGSIPPTF
GQGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSG
NSQESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 64 of the Sequence Listing)

[Figure 74]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGATACCGTGATGACCCAGAGCCCTGACAGCCTGGCCGTGTCTCTGGGAGAGAGAGCCA
CCATCAACTGCAAGGCCAGCCAGAGCGTGGGCATCAACGTGGACTGGTATCAGCAGAAG
CCCGGCCAGCCCCCAAGCTGCTGATCTACGGCGCCAGCAATAGACACACCGGCGTGCC
CGATAGATTCAGCGGCAGCGGCTTCGGCACCGACTTCACCCTGACAATCAGCTCCCTGC
AGGCCGAGGACGTGGCCGTGTACTACTGTCTGCAGCACGGCAGCATCCCCCCCACATTT
GGCCAGGGCACCAAGGTGGAAATCAAGCGTACGGTGGCCGCCCCCTCCGTGTTTCATCTT
CCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATA
ACTTCTACCCCAGAGAGGCCAAGGTGCAGTGGAAAGGTGGACAACGCCCTGCAGTCCGGG
AACTCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAG
CACCTTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAAGGTGTACGCTGCGAGGTGA
CCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 65 of the Sequence Listing)

[Figure 75]

MVLQTQVFISLLLWISGAYGDTVMTQSPDSLAVSLGERATINCKASQSVGINVDWYQQK
PGQPPKLLIYGASNRHTGVPDRFSGSGFGTDFTLTISSLQAEDVAVYYCLQHGSIPPTF
GQGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSG
NSQESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 66 of the Sequence Listing)

[Figure 76]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGATACCGTGATGACCCAGAGCCCTGACAGCCTGGCCGTGTCTCTGGGAGAGAGAGCCA
CCATCAACTGCAAGGCCAGCCAGAGCGTGGGCATCAACGTGGACTGGTATCAGCAGAAG
CCCGGCCAGCCCCCAAGCTGCTGATCTACGGCGCCAGCAATAGACACACCGGCGTGCC
CGATAGATTTCAGCGGCAGCGGCTTCGGCAGAGACTTCACCCTGACCATCAGCTCCCTGC
AGGCCGAGGATGTGGCCGTGTACTACTGTCTGCAGCACGGCAGCATCCCCCCCACATTT
GGCCAGGGCACCAAGGTGGAAATCAAGCGTACGGTGGCCGCCCCCTCCGTGTTTCATCTT
CCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATA
ACTTCTACCCCAGAGAGGCCAAGGTGCAGTGGAAGGTGGACAACGCCCTGCAGTCCGGG
AACTCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAG
CACCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGA
CCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 67 of the Sequence Listing)

[Figure 77]

MVLQTQVFISLLWISGAYGDTVMTQSPDSLAVSLGERATINCKASQSVGINVDWYQQK
PGQPPKLLIYGASNRHTGVPDRFSGSGFGRDFTLTISLQAEDVAVYYCLQHGSIPPTF
GQGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSG
NSQESVTEQDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 68 of the Sequence Listing)

[Figure 78]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGATACCGTGATGACCCAGAGCCCTGACAGCCTGGCCGTGTCTCTGGGAGAGAGAGCCA
CCATCAACTGCAAGGCCAGCCAGAGCGTGGGCATCAACGTGGACTGGTATCAGCAGAAG
CCCGGCCAGAGCCCCAAGCTGCTGATCTACGGCGCCAGCAACAGACACACCGGCGTGCC
CGATAGATTCAGCGGCAGCGGCTTCGGCAGAGACTTCACCCTGACCATCAGCTCCCTGC
AGGCCGAGGATGTGGCCGTGTACTACTGTCTGCAGCACGGCAGCATCCCCCCCACATTT
GGCCAGGGCACCAAGGTGGAAATCAAGCGTACGGTGGCCGCCCCCTCCGTGTTTCATCTT
CCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATA
ACTTCTACCCCAGAGAGGCCAAGGTGCAGTGAAGGTGGACAACGCCCTGCAGTCCGGG
AACTCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAG
CACCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGA
CCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 69 of the Sequence Listing)

[Figure 79]

MVLQTQVFISLLLWISGAYGDTVMTQSPDSLAVSLGERATINCKASQSVGINVDWYQQK
PGQSPKLLIYGASNRHTGVPDRFSGSGFGRDFTLTISLQAEDVAVYYCLQHGSIPPTF
GQGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSG
NSQESVTEQDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 70 of the Sequence Listing)

[Figure 80]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGCCACCAGAATGACACAGAGCCCCAGCAGCTTCAGCGCCAGCACCGGCGACAGAGTGA
CCATCACATGCAAGGCCAGCCAGAGCGTGGGCATCAACGTGGACTGGTATCAGCAGAAG
CCCGGCAAGAGCCCCAAGCTGCTGATCTACGGCGCCTCCAACAGACACACCGGCGTGCC
CAGCAGATTTTCCGGCAGCGGCTTCGGCAGAGACTTCACCCTGACCATCAGCAGCCTGC
AGAGCGAGGACTTCGCCACCTACTACTGCCTGCAGCACGGCAGCATCCCCCTACATTT
GGCGGAGGCACCAAGGTGGAAATCAAGCGTACGGTGGCCGCCCCCTCCGTGTTTCATCTT
CCCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATA
ACTTCTACCCCAGAGAGGCCAAGGTGCAGTGAAGGTGGACAACGCCCTGCAGTCCGGG
AACTCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAG
CACCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGA
CCCACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 71 of the Sequence Listing)

[Figure 81]

MVLQTQVFISLLWISGAYGATRMTQSPSSFSASTGDRVITITCKASQSVGINVDWYQQK
PGKSPKLLIYGASNRHTGVPSRFSGSGFGRDFTLTISLQSEDFATYYCLQHGSIPPTF
GGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSG
NSQESVTEQDSKSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 72 of the Sequence Listing)

[Figure 82]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTGCAGCTGGTGGAATCTGGCGGCGGACTCGTGAAGCCTAGCCAGACCCTGAGCCTGA
CCTGCACCTTCAGCGGCTTCAGCCTGAACACCTACGACATGGGCGTGGGCTGGATCAGA
CAGCCTCCTGGCAAGGGCCTGGAATGGATCGGCAACATTTGGTGGGACGACGACAAGTA
CTACAACCCCAGCCTGAAGTCCAGAGTGACCATCAGCGTGGACACCAGCAAGAACCAGG
CCTCCCTGAAGCTGAGCAGCGTGACAGCCGCCGATACCGCCGTGTACTACTGCGCCAGA
ATCGAGACAGTGCGGGTGTCCAGAAAGGGCTTCGCCCCTGGGGACAGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGCCCCAAGCGTCTTCCCCCTGGCACCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGCACACCTTCCCCGC
TGTCTGTCAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCCAAATCTTGTGACAAAACCTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCCAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCCTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGAGGAGATGACCAAGAACCAGGTGAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAACCTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 73 of the Sequence Listing)

[Figure 83]

MKHLWFFLLLVAAAPRWVLSQVQLVESGGGLVKPSQTLSTCTFSGFSLNTYDMGVGWIR
QPPGKGLEWIGNIWDDDKYYNP SLKSRVTISVDTSKNQASLKLSSVTAADTAVYYCAR
IETVRVSRKGFAHWGQGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKHTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSV MHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 74 of the Sequence Listing)

[Figure 84]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTGCAGCTGGTGGAATCTGGCGGCGGACTCGTGAAGCCTAGCCAGACCCTGAGCCTGA
CCTGCACCTTCAGCGGCTTCAGCCTGAACACCTACGACATGGGCGTGGGCTGGATCAGA
CAGCCTCCTGGCAAGGGCCTGGAATGGATCGGCAACATTTGGTGGGACGACGACAAGTA
CTACAACCCCAGCCTGAAGTCCAGAGTGACCATCAGCAAGGACACCAGCAACAACCAGG
CCTCCCTGAAGCTGAGCAGCGTGACAGCCGCCGATACCGCCGTGTACTACTGCGCCAGA
ATCGAGACAGTGCGGGTGTCCAGAAAGGGCTTCGCCCCTGGGGACAGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACACCTTCCCCGC
TGTCTGTCAGTCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGTGACAAAACCTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCTCTTCCCCCAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAACCTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 75 of the Sequence Listing)

[Figure 85]

MKHLWFFLLLVAAPRWVLSQVQLVESGGGLVKPSQTLSTCTFSGFSLNTYDMGVGWIR
QPPGKGLEWIGNIWDDDKYYNP SLKSRVTISKDTSNNQASLKLSSVTAADTAVYYCAR
IETVRVSRKGF AHWGQGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 76 of the Sequence Listing)

[Figure 86]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTGCAGCTGGTGGAATCTGGCGGCGGACTCGTGAAGCCTAGCCAGACCCTGAGCCTGA
CCTGCACCTTCAGCGGCTTCAGCCTGAACACCTACGACATGGGCGTGGGCTGGATCAGA
CAGCCTCCTGGCAAGGGCCTGGAATGGATCGCCAACATTTGGTGGGACGACGACAAGTA
CTACAACCCAGCCTGAAGTCCAGAGTGACCATCAGCAAGGACACCAGCAACAACCAGG
CCTCCCTGAAGCTGAGCAGCGTGACAGCCGCCGATAACCGCCGTGTACTACTGCGCCAGA
ATCGAGACAGTGCGGGTGTCAGAAAGGGCTTCGCCCCTGGGGACAGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACCTTCCCCGC
TGTCTGAGTCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGTGACAAACTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCCAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAACCTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 77 of the Sequence Listing)

[Figure 87]

MKHLWFFLLLVAAPRWVLSQVQLVESGGGLVKPSQTLSTCTFSGFSLNTYDMGVGWIR
QPPGKGLEWIANIWWDDDKYYNP SLKSRVTISKDTSNNQASLKLSSVTAADTAVYYCAR
IETVRVSRKGF AHWGQGT LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSV MHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 78 of the Sequence Listing)

[Figure 88]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
AGTGACCCTGAAAGAGTCCGGCCCTGCCCTCGTGAAGCCTACCCAGACCCTGACACTGA
CCTGCACCTTCAGCGGCTTCAGCCTGAACACCTACGACATGGGCGTGGGCTGGATCAGA
CAGCCTCCTGGCAAGGGCCTGGAATGGCTGGCCAACATTTGGTGGGACGACGACAAGTA
CTACAGCCCCAGCCTGAAGTCCCGGCTGACCATCACCAAGGACACCAGCAACAACCAGG
CCGTGCTGACCATGACAAACATGGACCCCGTGGACACCGCCACCTACTACTGCGCCAGA
ATCGAGACAGTGCGGGTGTCCAGAAAGGGCTTCGCCCCTGGGGACAGGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGGCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACCTTCCCCGC
TGTCTGAGTCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCCAAATCTTGTGACAAACTCACACATGCCACCCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCCTCAGTCTTCCTCTTCCCCC AAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTGAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAAC TACAAGACCACCCCTCCCGTGTGACTCCGACGGCTCCTTCTTCCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 79 of the Sequence Listing)

[Figure 89]

MKHLWFFLLLVAAAPRWVLSQVTLKESGPALVKPTQTLTLTCTFSGFSLNTYDMGVGWIR
QPPGKGLEWLANIWWDDDKYYSPSLKSRLTITKDTSNQAVLTMNMDPVDATYYCAR
IETVRVSRKGFHAWGQGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKHTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 80 of the Sequence Listing)

[Figure 90]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGAGATCGTGCTGACACAGAGCCCTGGCACCCCTGAGCCTGTCTCCAGGCGAAAGAGCCA
CCCTGTCCTGCAAGGCCAGCCAGAACATCAACAAGTACCTGGACTGGTATCAGCAGAAG
CCCGGCCAGCCCCCAGACTGCTGATCTACAACACCAACAACCTGCACACCGGCATCCC
CGACAGATTCAGCGGCTCTGGCAGCGGCACCGACTACACCCTGACCATCAGCAGACTGG
AACCCGAGGACTTCGCCGTGTACTACTGCCTGCAGCGGAACAGCTGGTACACCTTCGGC
CAGGGCACCAAGGTGGAAATCAAGCGTACGGTGGCCGCCCCCTCCGTGTTTCATCTTCCC
CCCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATAACT
TCTACCCAGAGAGGCCAAGGTGCAGTGGAAAGGTGGACAACGCCCTGCAGTCCGGGAAC
TCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAGCAC
CCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGACCC
ACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 81 of the Sequence Listing)

[Figure 91]

MVLQTQVFISLLLWISGAYGEIVLTQSPGTLSSLSPGERATLSCKASQNINKYLDWYQQK
PGQPPRLLIYNTNNLHTGIPDRFSGSGSGTDYTLTISRLEPEDFAVYYCLQRNSWYTFG
QGTEKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGN
SQESVTEQDSKSTYSLSSLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 82 of the Sequence Listing)

[Figure 92]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CGACATCCAGATGACCCAGAGCCCTAGCAGCCTGAGCCTGTCCCCTGGCGAAAGAGCCA
CCCTGAGCTGCAAGGCCAGCCAGAACATCAACAAGTACCTGGACTGGTATCAGCAGAAG
CCCGGCCAGCCCCCAGACTGCTGATCTACAACACCAACAACCTGCACACCGGCATCCC
CGACAGATTCAGCGGCTCTGGCAGCGGCACCGACTACACCCTGACCATCAGCAGACTGG
AACCCGAGGACTTCGCCGTGTACTACTGCCTGCAGCGGAACAGCTGGTACACCTTCGGC
CAGGGCACCAAGGTGGAAATCAAGCGTACGGTGGCCGCCCCCTCCGTGTTTCATCTTCCC
CCCCTCCGACGAGCAGCTGAAGTCCGGCACCGCCTCCGTGGTGTGCCTGCTGAATAACT
TCTACCCCAGAGAGGCCAAGGTGCAGTGGAAGGTGGACAACGCCCTGCAGTCCGGGAAC
TCCCAGGAGAGCGTGACCGAGCAGGACAGCAAGGACAGCACCTACAGCCTGAGCAGCAC
CCTGACCCTGAGCAAAGCCGACTACGAGAAGCACAAGGTGTACGCCTGCGAGGTGACCC
ACCAGGGCCTGAGCTCCCCCGTCACCAAGAGCTTCAACAGGGGGGAGTGT

(SEQ ID NO: 83 of the Sequence Listing)

[Figure 93]

MVLQTQVFISLLLWISGAYGDIQMTQSPSSLSLSPGERATLSCKASQNINKYLDWYQQK
PGQPPRLLIYNTNNLHTGIPDRFSGSGSGTDYTLTISRLEPEDFAVYYCLQRNSWYTFG
QGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGN
SQESVTEQDSKDYSLSSLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 84 of the Sequence Listing)

[Figure 94]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTGCAGCTGCAGGAATCTGGCCCTGGCCTCGTGAAGCCTAGCCAGACCCTGAGCCTGA
CCTGTACCGTGTCCGGCTACACCATCACCAGCGGCTACGACTGGTCCTGGATCAGACAG
CCTCCTGGCAAGGGCCTGGAATGGATCGCCTACATGAGCTACCGGGGCAGCACCAACTA
CAACCCCAGCCTGAAGTCCAGAGTGACCATCAGCCGGGACACCAGCAAGAACCAGTTCT
CCCTGAAGCTGAGCAGCGTGACAGCCGCCGATACCGCCGTGTACTACTGCGCCCTGACC
CGGACCTACTGGTACAATACTACTACGTGCTGGACGCCTGGGGCCAGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAATCAGGCGCCCTGACCAGCGGCGTGACACACCTTCCCCGC
TGTCTGCACTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGTGACAAAACCTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCCAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTGAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAACCTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 85 of the Sequence Listing)

[Figure 95]

MKHLWFFLLLVAAPRWVLSQVQLQESGPGGLVKPSQTLSLTCTVSGYTITSGYDWSWIRQ
PPGKGLEWIAYMSYRGSTNYPNPSLKSRTISRDTSKNQFSLKLSSVTAADTAVYYCALT
RTYWYNYYYVLDAWGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 86 of the Sequence Listing)

[Figure 96]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGA
GATCCAGCTGCAGGAATCTGGCCCTGGCCTCGTGAAGCCTAGCCAGACCCTGAGCCTGA
CCTGTACCGTGTCCGGCTACACCATCACCAGCGGCTACGACTGGTCCTGGATCAGACAG
CCTCCTGGCAAGGGCCTGGAATGGATCGGCTACATGAGCTACCGGGGCAGCACCAACTA
CAACCCCAGCCTGAAGTCCAGAGTGACCATCAGCCGGGACACCAGCAAGAACCAGTTCT
CCCTGAAGCTGAGCAGCGTGACAGCCGCCGATACCGCCGTGTACTACTGCGCCCTGACC
CGGACCTACTGGTACAATACTACTACGTGCTGGACGCCTGGGGCCAGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAATCAGGCGCCCTGACCAGCGGCGTGACACACCTTCCCCGC
TGTCTGCAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGTGACAAACTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCC AAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTGAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAATAACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 87 of the Sequence Listing)

[Figure 97]

MKHLWFFLLLVAAPRWVLSEIQLQESGPGLVKPSQTLSLTCTVSGYTITSGYDWSWIRQ
PPGKGLEWIGYMSYRGSTNYNPSLKSRTISRDTSKNQFSLKLSSVTAADTAVYYCALT
RTYWYNYYYVLDAWGQGTTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 88 of the Sequence Listing)

[Figure 98]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGA
GATCCAGCTGCAGGAATCTGGCCCTGGCCTCGTGAAGCCTAGCCAGACCCTGAGCCTGA
CCTGTACCGTGTCCGGCTACACCATCACCAGCGGCTACGACTGGTCCTGGATCAGACAG
CCTCCTGGCAAGGGCCTGGAATGGATCGCCTACATGAGCTACCGGGGCAGCACCAACTA
CAACCCCAGCCTGAAGTCCAGAGTGACCATCAGCCGGGACACCAGCAAGAACCAGTTCT
CCCTGAAGCTGAGCAGCGTGACAGCCGCCGATACCGCCGTGTACTACTGCGCCCTGACC
CGGACCTACTGGTACAACCTACTACTACGTGCTGGACGCCTGGGGCCAGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAATCAGGCGCCCTGACCAGCGGCGTGACACACCTTCCCCGC
TGTCTGCAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGTGACAAACTCACACATGCCCACCCTGCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCC AAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGCCAGCCCCGGGAACACAGGTGTA
CACCCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTGAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCGAG
AACAACCTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 89 of the Sequence Listing)

[Figure 99]

MKHLWFFLLLVAAPRWVLSEIQLQESGPGLVKPSQTLSTCTVSGYTITSGYDWSWIRQ
PPGKGLEWIAYMSYRGSTNYPNPSLKSRTISRDTSKNQFSLKLSSVTAADTAVYYCALT
RTYWYNYYYVLDAGWGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 90 of the Sequence Listing)

[Figure 100]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGA
GATCCAGCTGCAGGAATCTGGCCCTGGCCTCGTGAAGCCTAGCCAGACCCTGAGCCTGA
CCTGTACCGTGTCCGGCTACACCATCACCAGCGGCTACGACTGGTCCTGGATCAGAAAG
CCCCCTGGCAACAAGATGGAATGGATCGCCTACATGAGCTACCGGGGCAGCACCAACTA
CAACCCCAGCCTGAAGTCCAGAGTGACCATCAGCCGGGACACCAGCAAGAACCAGTTCT
CCCTGAAGCTGAGCAGCGTGACAGCCGCCGATACCGCCGTGTACTACTGCGCCCTGACC
CGGACCTACTGGTACAATACTACTACGTGCTGGACGCCTGGGGCCAGGGCACACTCGT
GACCGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACACCTTCCCCGC
TGTCTGTCAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCCAAATCTTGTGACAAAACCTCACACATGCCCACCCTGCCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCC AAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAGCCAAAGGCCAGCCCCGGGAACACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTACGCTGACCTGCCTGG
TCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACA ACTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

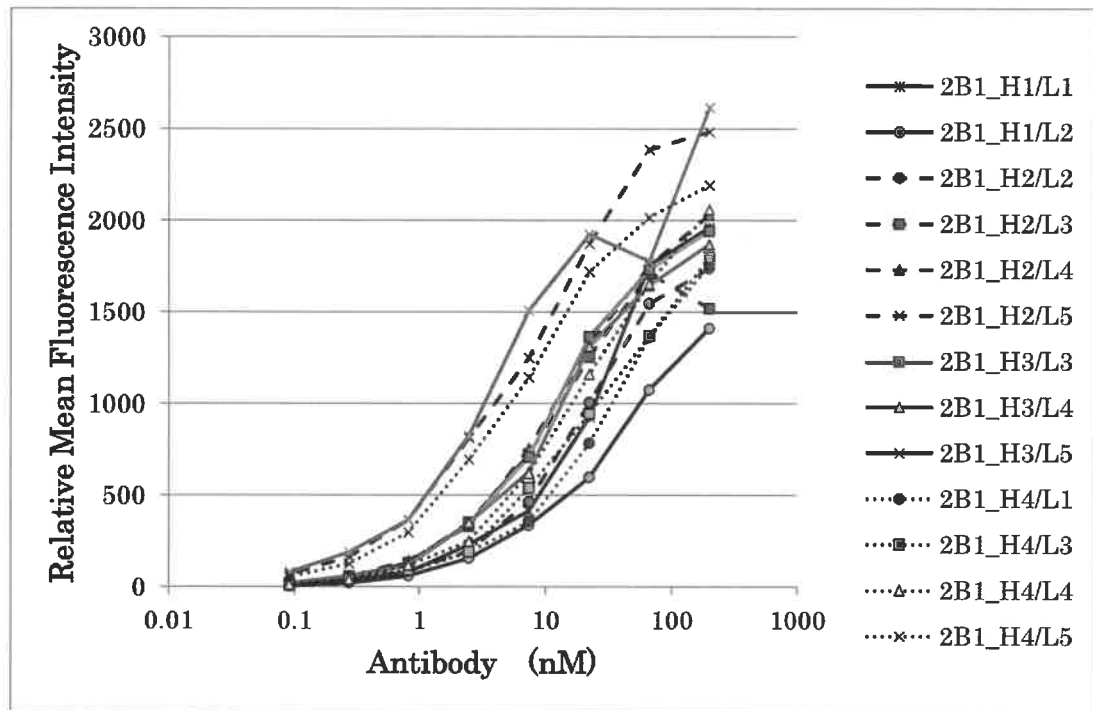
(SEQ ID NO: 91 of the Sequence Listing)

[Figure 101]

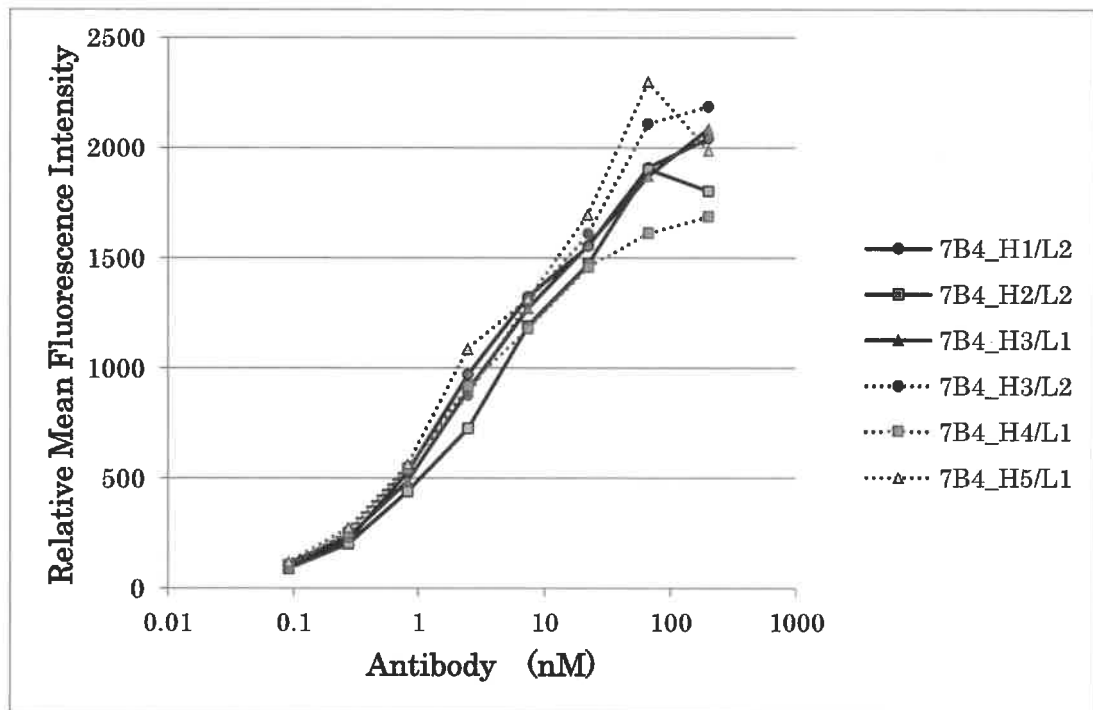
MKHLWFFLLLVAAPRWVLSEIQLQESGPGLVKPSQTLSLTCTVSGYTITSGYDWSWIRK
PPGNKMEWIAYMSYRGSTNYPNPSLKSRTISRDTSKNQFSLKLSSVTAADTAVYYCALT
RTYWYNYYYVLDAWGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKHTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 92 of the Sequence Listing)

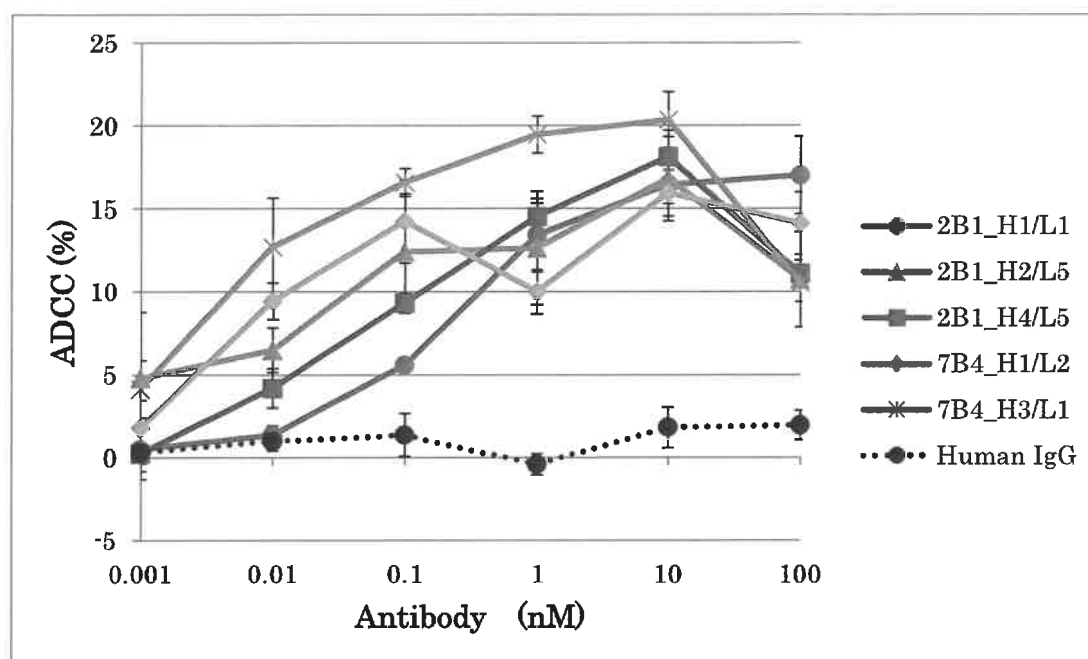
[Figure 102]



[Figure 103]



[Figure 104]



[Figure 105]

MYKDCIESTGDYFLPCDSEGPWGIVLEK (BIOTIN) -NH₂

(SEQ ID NO: 93 of the Sequence Listing)

[Figure 106]

5'-CTCTTCGCTATTACGCCAGCTGGCGA-3'

(SEQ ID NO: 94 of the Sequence Listing)

[Figure 107]

5'-ATAACAATTTACACAGGAAACAGCTATGA-3'

(SEQ ID NO: 95 of the Sequence Listing)

[Figure 108]

CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGT
CTCCTGCAAGGCTTCTGGATACACCTTCACCGGCTACTATATGCACTGGGTGCGACAGG
CCCCCTGGACAAGGGCTTGAGTGGATGGGACGGATCAACCCTAACAGTGGTGGCACAAC
TATGCACAGAAGTTTCAGGGCAGGGTCACCATGACCAGGGACACGTCCATCAGCACAGC
CTACATGGAGCTGAGCAGGCTGAGATCTGACGACACGGCCGTGTATTACTGTGCGAGTG
GGAAGAGTAACTACCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA

(SEQ ID NO: 96 of the Sequence Listing)

[Figure 109]

QVQLVQSGAEVKKPGASVKVSCKASGYTFTGYIMHWVRQAPGQGLEWMGRINPNSGGTN
YAQKFQGRVTMTRDTSISTAYMELSRRLRSDDTAVYYCASGKSNYPWGQGTLLVTVSS

(SEQ ID NO: 97 of the Sequence Listing)

[Figure 110]

CAGCCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCACCAT
CTCTTGTTCTGGAAGCAACTCCAACATCGGCAGTAGAACTGTGAATTGGTACCAGCACC
TCCCAGGAACGGCCCCCAGACTCCTCATCTATGGTAATAATCAGTGGCCCTCAGGGGTC
CCTGACCGATTCTCTGGCTCTAAGTCTGGCTCCTCAGCCTCCCTGGCCATCAGTGGGCT
CCGGTCCGAGGATGAGGCTGATTATTACTGTGCAGCATGGGATGACAGCCTGAGTGGTG
TGGTATTCGGCGGAGGGACCAAGCTGACCGTCCTA

(SEQ ID NO: 98 of the Sequence Listing)

[Figure 111]

QPVLTPPPSASGTPGQRVITISCSGSNSNIGSRTVNWYQHLPGTAPRLLIYGNNQWPSGV
PDRFSGSKSGSSASLAISGLRSEDEADYYCAAWDDSLSGVVFGGGTKLTVL

(SEQ ID NO: 99 of the Sequence Listing)

[Figure 112]

CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCTCGGTGAAGGT
CTCCTGCAAGGCTTCTGGAGGCACCTTCAGCAGGTATGCTATCAGCTGGGTGCGACAGG
CCCCTGGACAAGGGCTTGAGTGGATGGGAGGGATCATCCCTATCTTTGGAACAGCAAAC
TACGCACAGAAGTTCCAGGGCAGAGTCACAATTACCGCGGACCAATCCACGAGAACAGC
CTACATGGACCTGGGCAGACTGAGATCTGAGGACACGGCCGTGTATTATTGTGCTCTCG
AGGGATTGAGGGACTCATTTAAACGAAATCCTTTTGATATCTGGGGCCAAGGGACAATG
GTCACCGTCTCTTCA

(SEQ ID NO: 100 of the Sequence Listing)

[Figure 113]

QVQLVQSGAEVKKPGSSVKVSKASGGTFSRYAISWVRQAPGQGLEWMGGIIPFGTAN
YAQKFQGRVTITADQSTRTAYMDLGRLRSEDVAVYYCALEGFRDSLKRNPFDIWGQGT
MTVSS

(SEQ ID NO: 101 of the Sequence Listing)

[Figure 114]

CAGTCTGTCTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCAT
CTCCTGCTCTGGAGGCACCACCAACATTGGGAGTAATTATGTATCCTGGTATCAGCAGC
TCCCAGGAACAGCCCCCAAATTCCTCATGTATGAAAATAATAAGCGACCCTCAGGCATT
CCTGACCGATTCTCTGGCTCCAAGTCTGGCACGTCAGCCACCCTGGCCATCACC GGACT
CCAGACTGGGGACGAGGCCACTTATTACTGCTCAACATGGGATAGCAGCCTGAATACTG
GGCTATTCGGCGGAGGGACCAAGCTGACCGTCCTA

(SEQ ID NO: 102 of the Sequence Listing)

[Figure 115]

QSVVTQPPSVSAAPGQKVTISCSGGTTNIGSNYVSWYQQLPGTAPKFLMYENNKRP
SGIPDRFSGSKSGTSATLAITGLQTGDEATYYCSTWDSSLNTGLFGGGTKLTVL

(SEQ ID NO: 103 of the Sequence Listing)

[Figure 116]

GAGGTGCAGCTGGTGGAGTCCGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACT
CTCCTGTGCAGCCTCTGGATTACCTTTAGGAACTATGCCATGAGCTGGGTCCGCCAGG
CTCCAGGGAAGGGGCTGGAGTGGGTCTCAGGTATTAGTGGTACTGGTGGTAGCACATAC
TACGCAGACTCCGTGAAGGGCCGGTTCACCATCTCCAGAGACAATTCCAAGGACACACT
ATATCTGCAATTGAACAGCCTGAGAGCCGAGGACACGGCCGTATATTACTGTGCGAAAT
CCCGTAGTATGAGTATCAACTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTCACC
GTCTCCTCA

(SEQ ID NO: 104 of the Sequence Listing)

[Figure 117]

EVQLVESGGGVVQPGRSLRLSCAASGFTFRNYAMSWVRQAPGKGLEWVSGISGTGGSTY
YADSVKGRFTISRDN SKDTLYLQLNSLRAEDTAVYYCAKSRSMSINYGMDVWGQGTTVT
VSS

(SEQ ID NO: 105 of the Sequence Listing)

[Figure 118]

TCCTATGAGCTGACTCAGCCACCCTCAGTGTCCGTGTCCCCAGGACAGACAGTCAGCAT
CACCTGCTCTGGAGATAATTTGGGTGATAGATATGCCTCCTGGTATCAGCAGAAGCCAG
GCCAGTCCCCTGTGCAGGTCATCTATCAAGATACCAAGCGGCCCTCAGGGATCCCTGAG
CGATTCTCTGGCTCCAACCTCTGGGAACACAGCCACTCTGACCATCAGCGGGACCCAGGC
TATGGATGAGGCTGACTATTACTGTCAGGCGTGGGACAGCAACACTGTGGTATTCGGCG
GAGGGACCAAGCTGACCGTCCTA

(SEQ ID NO: 106 of the Sequence Listing)

[Figure 119]

SYELTQPPSVSVSPGQTVSITCSGDNLGDRYASWYQQKPGQSPVQVIYQDTKRPSGIPE
RFSGSNSGNTATLTISGTQAMDEADYYCQAWDSNTVVFGGGTKLTVL

(SEQ ID NO: 107 of the Sequence Listing)

[Figure 120]

CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGT
CTCCTGCAAGGCTTCTGGATACACCTTCACCGGCTACTATATGCACTGGGTGCGACAGG
CCCCCTGGACAAGGGCTTGAGTGGATGGGACGGATCAACCCTAACAGTGGTGGCACAAAC
TATGCACAGAAGTTTCAGGGCAGGGTCACCATGACCAGGGACACGTCCATCAGCACAGC
CTACATGGAGCTGAGCGGGCTGAGATCTGACGACACGGCCGTTTATTACTGTGCGAGTG
GTAGTGTAAGGCATCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA

(SEQ ID NO: 108 of the Sequence Listing)

[Figure 121]

QVQLVQSGAEVKKPGASVKVSCKASGYTFTGYIMHWVRQAPGQGLEWMGRINPNSGGTN
YAQKFQGRVTMTRDTSISTAYMELSLRSDDTAVYYCASGSVRHPWGQGTLLVTVSS

(SEQ ID NO: 109 of the Sequence Listing)

[Figure 122]

CAGCCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCACCAT
CTCTTGTTCTGGAAGCAGGTCCAACATCGGAGGTAAATATTGTAAGTTGGTACCAGCAGT
TCCCAGGAACGGCCCCCAGACTCCTCACTTATGCTGATAATCAGCGGCCCTCAGGGGTC
CCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGCCT
CCAGTCTGAGGATGAGGCTGACTATTATTGTGCAGCATGGGATGACAGCCTGAATGGTG
TTGTGTTTCGGAGGAGGCACCAAGCTGACCGTCCTA

(SEQ ID NO: 110 of the Sequence Listing)

[Figure 123]

QPVLTPPPSASGTPGQRTISCSGSRNIGGNIVSWYQQFPGTAPRLLTYADNQRPSTV
PDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLNGVVFGGGTKLTVL

(SEQ ID NO: 135 of the Sequence Listing)

[Figure 124]

GYTFTGYY

(SEQ ID NO: 111 of the Sequence Listing)

[Figure 125]

INPNSGGT

(SEQ ID NO: 112 of the Sequence Listing)

[Figure 126]

ASGKSNYP

(SEQ ID NO: 113 of the Sequence Listing)

[Figure 127]

NSNIGSRT

(SEQ ID NO: 114 of the Sequence Listing)

[Figure 128]

GNN

(SEQ ID NO: 115 of the Sequence Listing)

[Figure 129]

AAWDDSLSGVV

(SEQ ID NO: 116 of the Sequence Listing)

[Figure 130]

GGTFSRYA

(SEQ ID NO: 117 of the Sequence Listing)

[Figure 131]

IIPIFGTA

(SEQ ID NO: 118 of the Sequence Listing)

[Figure 132]

ALEGFRDSLKRNPFDI

(SEQ ID NO: 119 of the Sequence Listing)

[Figure 133]

TTNIGSNY

(SEQ ID NO: 120 of the Sequence Listing)

[Figure 134]

ENN

(SEQ ID NO: 121 of the Sequence Listing)

[Figure 135]

STWDSSLNTGL

(SEQ ID NO: 122 of the Sequence Listing)

[Figure 136]

GFTRNYA

(SEQ ID NO: 123 of the Sequence Listing)

[Figure 137]

ISGTGGST

(SEQ ID NO: 124 of the Sequence Listing)

[Figure 138]

AKSRSMSINYGMDV

(SEQ ID NO: 125 of the Sequence Listing)

[Figure 139]

NLGDRY

(SEQ ID NO: 126 of the Sequence Listing)

[Figure 140]

QDT

(SEQ ID NO: 127 of the Sequence Listing)

[Figure 141]

QAWDSNTVV

(SEQ ID NO: 128 of the Sequence Listing)

[Figure 142]

GYTFTGY

(SEQ ID NO: 129 of the Sequence Listing)

[Figure 143]

INPNSGGT

(SEQ ID NO: 130 of the Sequence Listing)

[Figure 144]

ASGSVRHP

(SEQ ID NO: 131 of the Sequence Listing)

[Figure 145]

RSNIGGNI

(SEQ ID NO: 132 of the Sequence Listing)

[Figure 146]

ADN

(SEQ ID NO: 133 of the Sequence Listing)

[Figure 147]

AAWDDSLNGVV

(SEQ ID NO: 134 of the Sequence Listing)

[Figure 148]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCT
CCTGCAAGGCTTCTGGATACACCTTCACCGGCTACTATATGCACTGGGTGCGACAGGCC
CCTGGACAAGGGCTTGAGTGGATGGGACGGATCAACCCTAACAGTGGTGGCACAACTA
TGCACAGAAGTTTCAGGGCAGGGTCACCATGACCAGGGACACGTCCATCAGCACAGCCT
ACATGGAGCTGAGCAGGCTGAGATCTGACGACACGGCCGTGTATTACTGTGCGAGTGGG
AAGAGTAACTACCCCTGGGGCCAGGGAACCCTGGTCACCGTCAGCTCAGCCTCCACCAA
GGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCAAGAGCACCTCTGGCGGCACAGCCG
CCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCCGTGACCGTGAGCTGGAATCA
GGCGCCCTGACCAGCGGCGTGACACCTTCCCCGCTGTCTCTGCAGTCCTCAGGACTCTA
CTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGCTTGGGCACCCAGACCTACATCT
GCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCT
TGTGACAAAATCACAATGCCCCACCCTGCCCAGCACCTGAACTCCTGGGGGGACCCTC
AGTCTTCCTCTTCCCCCAAACCCAAAGGACACCCTCATGATCTCCCGGACCCCTGAGG
TCACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTAC
GTGGACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCCCGGGAGGAGCAGTACAACAG
CACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAGG
AGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCC
AAAGCCAAAGGCCAGCCCCGGGAACACAGGTGTACACCCTGCCCCCATCCCGGGAGGA
GATGACCAAGAACCAGGTGAGCCTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACA
TCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAGAACAACACTACAAGACCACCCCTCCC
GTGCTGGACTCCGACGGCTCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAG
GTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACT
ACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 136 of the Sequence Listing)

[Figure 149]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CCAGCCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCACCA
TCTCTTGTTCTGGAAGCAACTCCAACATCGGCAGTAGAACTGTGAATTGGTACCAGCAC
CTCCCAGGAACGGCCCCCAGACTCCTCATCTATGGTAATAATCAGTGGCCCTCAGGGGT
CCCTGACCGATTCTCTGGCTCTAAGTCTGGCTCCTCAGCCTCCCTGGCCATCAGTGGGC
TCCGGTCCGAGGATGAGGCTGATTATTACTGTGCAGCATGGGATGACAGCCTGAGTGGT
GTGGTATTCGGCGGAGGGACCAAGTTAACTGTGCTTGGCCAGCCTAAGGCTGCCCCTAG
CGTGACCCTGTTCCCTCCTTCCAGCGAGGAGCTTCAAGCTAACAAGGCCACCCTGGTGT
GTCTTATCTCTGACTTCTACCCTGGCGCTGTGACCGTGGCCTGGAAGGCTGACAGCTCC
CCTGTGAAGGCCGGAGTGGAGACCACCACACCTAGCAAGCAGTCTAACAACAAGTACGC
TGCCAGCTCCTACCTGAGCCTTACCCCTGAGCAGTGGAAGTCTCACAGAAGCTACTCCT
GTCAAGTGACCCACGAGGGCAGCACCGTGGAGAAGACCGTGGCTCCTACCGAGTGTTCC

(SEQ ID NO: 137 of the Sequence Listing)

[Figure 150]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCTCGGTGAAGGTCT
CCTGCAAGGCTTCTGGAGGCACCTTCAGCAGGTATGCTATCAGCTGGGTGCGACAGGCC
CCTGGACAAGGGCTTGAGTGGATGGGAGGGATCATCCCTATCTTTGGAACAGCAAATA
CGCACAGAAGTTCCAGGGCAGAGTCACAATTACCGCGGACCAATCCACGAGAACAGCCT
ACATGGACCTGGGCAGACTGAGATCTGAGGACACGGCCGTGTATTATTGTGCTCTCGAG
GGATTCAGGGACTCATTAACGAAATCCTTTTGATATCTGGGGCCAAGGGACAATGGT
CACCGTCAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCA
AGAGCACCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAA
CCCGTGACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGACACACCTTCCCCGC
TGTCTGCAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCA
GCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTG
GACAAGAGAGTTGAGCCCAAATCTTGACAAAACCTCACACATGCCCACCCTGCCAGC
ACCTGAACTCCTGGGGGGACCCTCAGTCTTCCTCTTCCCCCAAACCCAAGGACACCC
TCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGACGTGAGCCACGAAGAC
CCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAA
GCCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCCAGCGTCCTCACCGTCCTGC
ACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCA
GCCCCCATCGAGAAAACCATCTCCAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTA
CACCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGG
TCAAAGGCTTCTATCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAG
AACAACCTACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCTCTACAG
CAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGA
TGCATGAGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 138 of the Sequence Listing)

[Figure 151]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CCAGTCTGTCGTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCA
TCTCCTGCTCTGGAGGCACCACCAACATTGGGAGTAATTATGTATCCTGGTATCAGCAG
CTCCCAGGAACAGCCCCCAAATTCCCTCATGTATGAAAATAATAAGCGACCCTCAGGCAT
TCCTGACCGATTCTCTGGCTCCAAGTCTGGCACGTCAGCCACCCTGGCCATCACCGGAC
TCCAGACTGGGGACGAGGCCACTTATTACTGCTCAACATGGGATAGCAGCCTGAATACT
GGGCTATTCGGCGGAGGGACCAAGTTAACTGTGCTTGGCCAGCCTAAGGCTGCCCCTAG
CGTGACCCTGTTCCCTCCTTCCAGCGAGGAGCTTCAAGCTAACAAGGCCACCCTGGTGT
GTCTTATCTCTGACTTCTACCCTGGCGCTGTGACCGTGGCCTGGAAGGCTGACAGCTCC
CCTGTGAAGGCCGGAGTGGAGACCACACACCTAGCAAGCAGTCTAACAACAAGTACGC
TGCCAGCTCCTACCTGAGCCTTACCCCTGAGCAGTGGAAGTCTCACAGAAGCTACTCCT
GTCAAGTGACCCACGAGGGCAGCACCGTGGAGAAGACCGTGGCTCCTACCGAGTGTTC

(SEQ ID NO: 139 of the Sequence Listing)

[Figure 152]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGA
GGTGCAGCTGGTGGAGTCCGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCT
CCTGTGCAGCCTCTGGATTACCTTTAGGAACTATGCCATGAGCTGGGTCCGCCAGGCT
CCAGGGAAGGGGCTGGAGTGGGTCTCAGGTATTAGTGGTACTGGTGGTAGCACATACTA
CGCAGACTCCGTGAAGGGCCGGTTCACCATCTCCAGAGACAATTCCAAGGACACACTAT
ATCTGCAATTGAACAGCCTGAGAGCCGAGGACACGGCCGTATATTACTGTGCGAAATCC
CGTAGTATGAGTATCAACTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTCACCGT
CAGCTCAGCCTCCACCAAGGGCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCAAGAGCA
CCTCTGGCGGCACAGCCGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCCGTG
ACCGTGAGCTGGAACCTCAGGCGCCCTGACCAGCGGCGTGCACACCTTCCCCGCTGTCTCT
GCAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGCTTGG
GCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAG
AGAGTTGAGCCCCAAATCTTGTGACAAACTCACACATGCCCACCCCTGCCCAGCACCTGA
ACTCCTGGGGGGACCCCTCAGTCTTCCTCTTCCCCCAAAACCCAAGGACACCCCTCATGA
TCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAG
GTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCCCG
GGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAAGCGTCTCACCCTCCTGCACCAGG
ACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCC
ATCGAGAAAACCATCTCCAAGCCAAAGGCCAGCCCCGGGAACCACAGGTGTACACCCT
GCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAG
GCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCCGAGAACAAC
TACAAGACCACCCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCCTCTACAGCAAGCT
CACCGTGGACAAGAGCAGGTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGATGCATG
AGGCTCTGCACAACCACTACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 140 of the Sequence Listing)

[Figure 153]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CTCCTATGAGCTGACTCAGCCACCCTCAGTGTCCGTGTCCCCAGGACAGACAGTCAGCA
TCACCTGCTCTGGAGATAATTTGGGTGATAGATATGCCTCCTGGTATCAGCAGAAGCCA
GGCCAGTCCCCTGTGCAGGTCATCTATCAAGATACCAAGCGGCCCTCAGGGATCCCTGA
GCGATTCTCTGGCTCCAACCTCTGGGAACACAGCCACTCTGACCATCAGCGGGACCCAGG
CTATGGATGAGGCTGACTATTACTGTCAGGCGTGGGACAGCAACACTGTGGTATTCGGC
GGAGGGACCAAGTTAACTGTGCTTGGCCAGCCTAAGGCTGCCCCTAGCGTGACCCTGTT
CCCTCCTTCCAGCGAGGAGCTTCAAGCTAACAAGGCCACCCTGGTGTGTCTTATCTCTG
ACTTCTACCCTGGCGCTGTGACCGTGGCCTGGAAGGCTGACAGCTCCCCTGTGAAGGCC
GGAGTGGAGACCACCACACCTAGCAAGCAGTCTAACAACAAGTACGCTGCCAGCTCCTA
CCTGAGCCTTACCCCTGAGCAGTGGAAGTCTCACAGAAGCTACTCCTGTCAAGTGACCC
ACGAGGGCAGCACCGTGGAGAAGACCGTGGCTCCTACCGAGTGTTC

(SEQ ID NO: 141 of the Sequence Listing)

[Figure 154]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCCA
GGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCT
CCTGCAAGGCTTCTGGATACACCTTCACCGGCTACTATATGCACTGGGTGCGACAGGCC
CCTGGACAAGGGCTTGAGTGGATGGGACGGATCAACCCTAACAGTGGTGGCACAACCTA
TGCACAGAAGTTTCAGGGCAGGGTCACCATGACCAGGGACACGTCCATCAGCACAGCCT
ACATGGAGCTGAGCGGGCTGAGATCTGACGACACGGCCGTTTATTACTGTGCGAGTGGT
AGTGTAAGGCATCCCTGGGGCCAGGGAACCCTGGTCACCGTCAGCTCAGCCTCCACCAA
GGGCCCCAAGCGTCTTCCCCCTGGCACCCCTCCTCCAAGAGCACCTCTGGCGGCACAGCCG
CCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCCGTGACCGTGAGCTGGAACCTCA
GGCGCCCTGACCAGCGGCGTGACACCTTCCCCGCTGTCTCTGCAGTCCTCAGGACTCTA
CTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGCTTGGGCACCCAGACCTACATCT
GCAACGTGAATCACAAAGCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCT
TGTGACAAAACCTCACACATGCCCACCCTGCCCAGCACCTGAACTCCTGGGGGGACCCCTC
AGTCTTCCTCTTCCCCCAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGG
TCACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTAC
GTGGACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCCCGGGAGGAGCAGTACAACAG
CACGTACCGGGTGGTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAGG
AGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCC
AAAGCCAAAGGCCAGCCCCGGGAACACAGGTGTACACCCTGCCCCCATCCCGGGAGGA
GATGACCAAGAACCAGGTGAGCCTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACA
TCGCCGTGGAGTGGGAGAGCAATGGCCAGCCCGAGAACAACCTACAAGACCACCCCTCCC
GTGCTGGACTCCGACGGCTCCTTCTTCTCTACAGCAAGCTCACCGTGGACAAGAGCAG
GTGGCAGCAGGGCAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACT
ACACCCAGAAGAGCCTCTCCCTGTCTCCCGGCAAA

(SEQ ID NO: 142 of the Sequence Listing)

[Figure 155]

ATGGTGCTGCAGACCCAGGTGTTTCATCTCCCTGCTGCTGTGGATCTCCGGCGCGTACGG
CCAGCCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCACCA
TCTCTTGTCTGGAAGCAGGTCCAACATCGGAGGTAATATTGTAAGTTGGTACCAGCAG
TTCCCAGGAACGGCCCCCAGACTCCTCACTTATGCTGATAATCAGCGGCCCTCAGGGGT
CCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGCC
TCCAGTCTGAGGATGAGGCTGACTATTATTGTGCAGCATGGGATGACAGCCTGAATGGT
GTTGTGTTTCGGAGGAGGCACCAAGTTAACTGTGCTTGGCCAGCCTAAGGCTGCCCCTAG
CGTGACCCTGTTCCCTCCTTCCAGCGAGGAGCTTCAAGCTAACAAGGCCACCCTGGTGT
GTCTTATCTCTGACTTCTACCCTGGCGCTGTGACCGTGGCCTGGAAGGCTGACAGCTCC
CCTGTGAAGGCCGGAGTGGAGACCACCACACCTAGCAAGCAGTCTAACAACAAGTACGC
TGCCAGCTCCTACCTGAGCCTTACCCCTGAGCAGTGGGAAGTCTCACAGAAGCTACTCCT
GTCAAGTGACCCACGAGGGCAGCACCGTGGAGAAGACCGTGGCTCCTACCGAGTGTTC

(SEQ ID NO: 143 of the Sequence Listing)

[Figure 156]

MKHLWFFLLLVAAPRWVLSQVQLVQSGAEVKKPGASVKVSCKASGYTFTGYMHWRQA
PGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSRRLSDDTAVYYCASG
KSNYPWGQGTTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNS
GALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRVEPKS
CDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWY
VDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS
KAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPP
VLDSGDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 144 of the Sequence Listing)

[Figure 157]

MVLQTQVFISLLLWISGAYGQPVLTQPPSASGTPGQRVTISCSGSNSNIGSRTVNWYQH
LPGTAPRLLIYGNNQWPSGVPDRFSGSKSGSSASLAISGLRSEDEADYYCAAWDDSLSG
VVFGGGTKLTVLGQPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADSS
PVKAGVETTTTPSKQSNNKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS

(SEQ ID NO: 145 of the Sequence Listing)

[Figure 158]

MKHLWFFLLLVAAPRWVLSQVQLVQSGAEVKKPGSSVKVSCKASGGTFSRYAISWVRQA
PGQGLEWMGGIIPIFGTANYAQKFQGRVTITADQSTRTAYMDLGRLRSEDTAVYYCALE
GFRDSLKRNPFDIWGQGTMTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKV
DKRVEPKSCDKHTHTCPPCPAPELLGGPSVFLFPPPKPKDTLMISRTPEVTCVVVDVSHED
PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 146 of the Sequence Listing)

[Figure 159]

MVLQTQVFISLLLWISGAYGQSVVTQPPSVSAAPGQKVTISCSGGTTNIGSNYVSWYQQ
LPGTAPKFLMYENNRPSGIPDRFSGSKSGTSATLAITGLQTGDEATYYCSTWDSSLNT
GLFGGGTKLTVLGQPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADSS
PVKAGVETTTTPSKQSNNKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS

(SEQ ID NO: 147 of the Sequence Listing)

[Figure 160]

MKHLWFFLLLVAAPRWVLSEVQLVESGGGVVQPGRSLRLSCAASGFTFRNYAMSWVRQA
PGKGLEWVSGISGTGGSTYYADSVKGRFTISRDN SKDTLYLQLNSLRAEDTAVYYCAKS
RSM SINYGMDVWGQGT TTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPV
TVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDK
RVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPE
VKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAP
IEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENN
YKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 148 of the Sequence Listing)

[Figure 161]

MVLQTQVFISLLLWISGAYGSYELTQPPSVSVSPGQTVSITCSGDN LGDRYASWYQQKP
GQSPVQVIYQDTKRPSGIPERFSGSNSGNTATLTISGTQAMDEADYYCQAWDSNTVVF
GGTKLTVLGQPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADSSPVKA
GVETTTPSKQSN NKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS

(SEQ ID NO: 149 of the Sequence Listing)

[Figure 162]

MKHLWFFLLLVAAPRWVLSQVQLVQSGAEVKKPGASVKVSCKASGYTFTGYMHWVRQA
PGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSGLRSDDTAVYYCASG
SVRHPWGQGT LTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNS
GALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKRVEPKS
CDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWY
VDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS
KAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP
VLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 150 of the Sequence Listing)

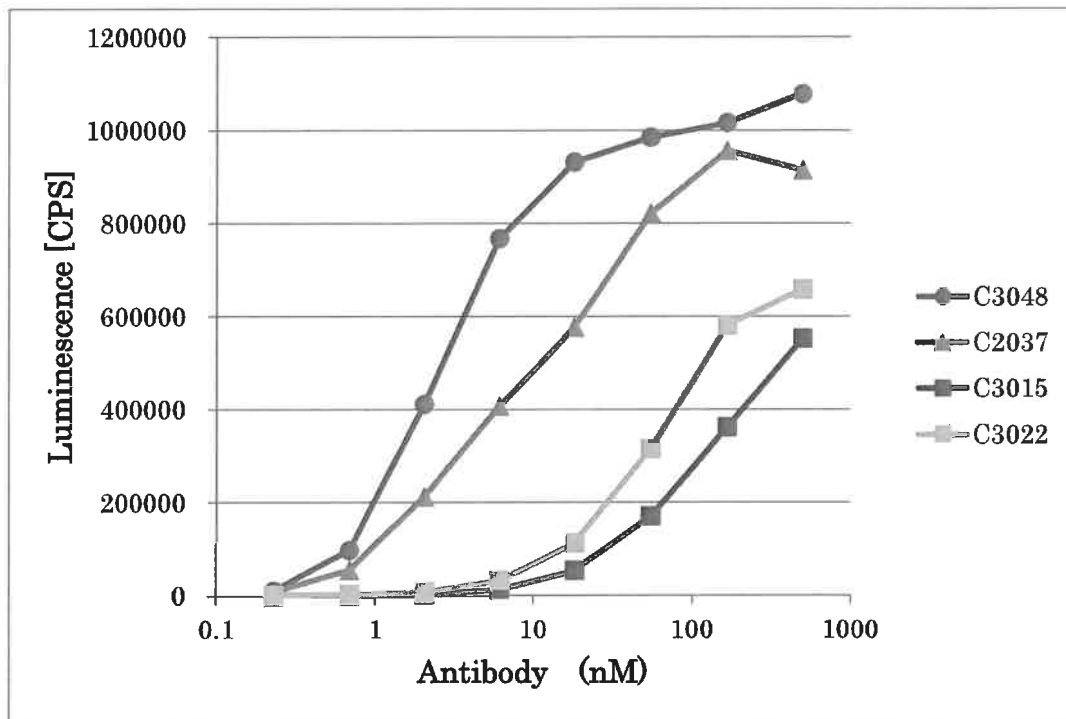
[Figure 163]

MVLQTQVFISLLLWISGAYGQPVLTQPPSASGTPGQRVTISCSGSRSNIGGNIVSWYQQ
FPGTAPRLLTYADNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLNG
VVFGGGTKLTVLGQPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADSS
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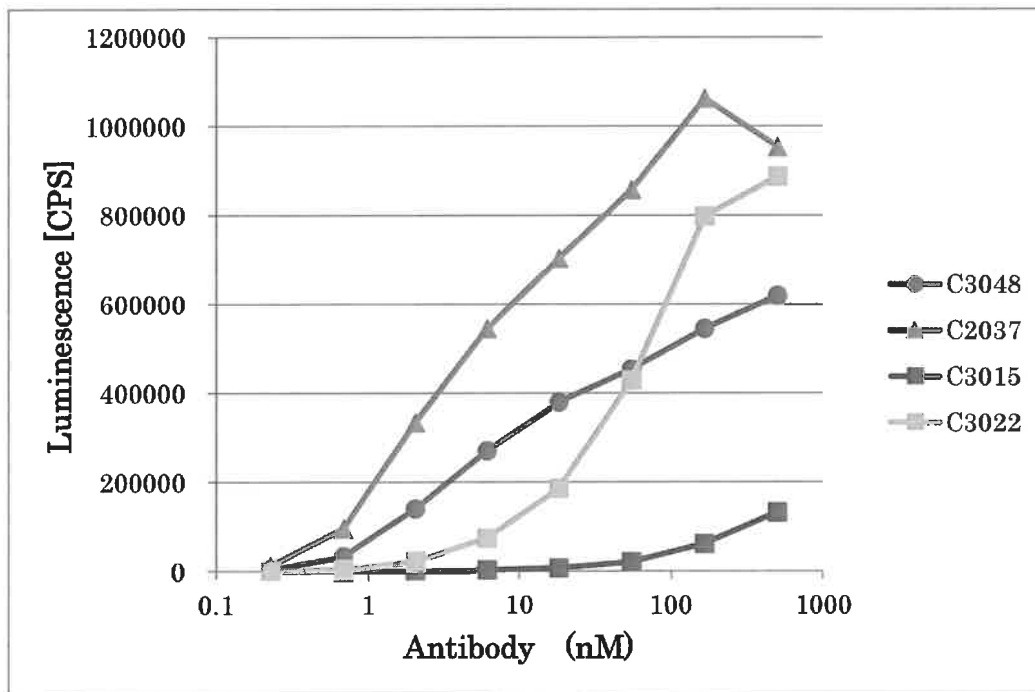
(SEQ ID NO: 151 of the Sequence Listing)

[Figure 164]

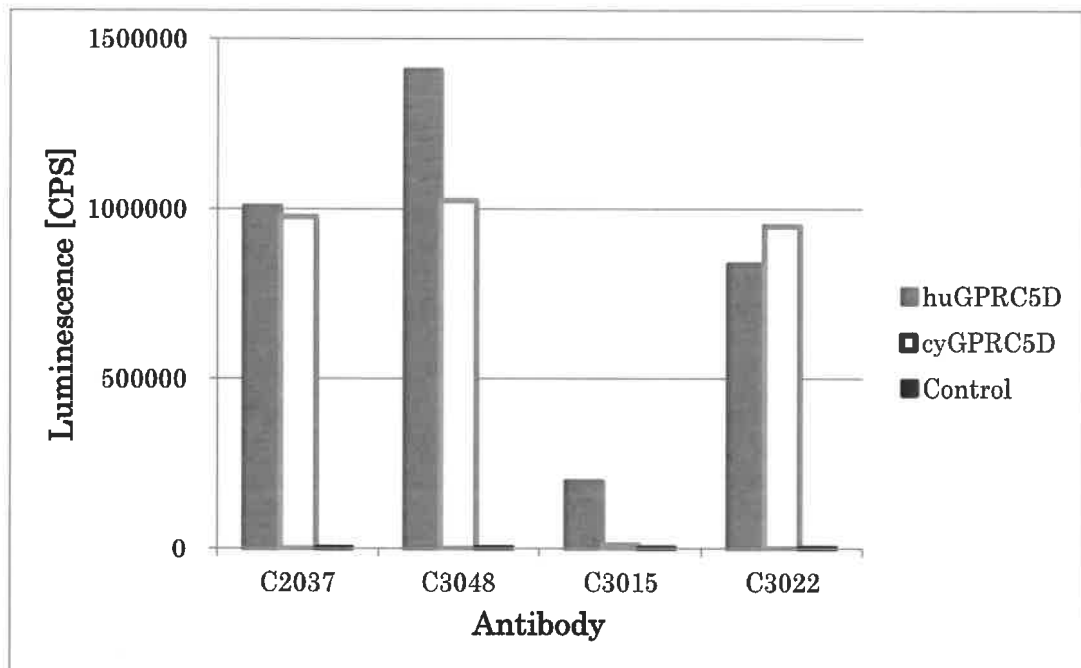
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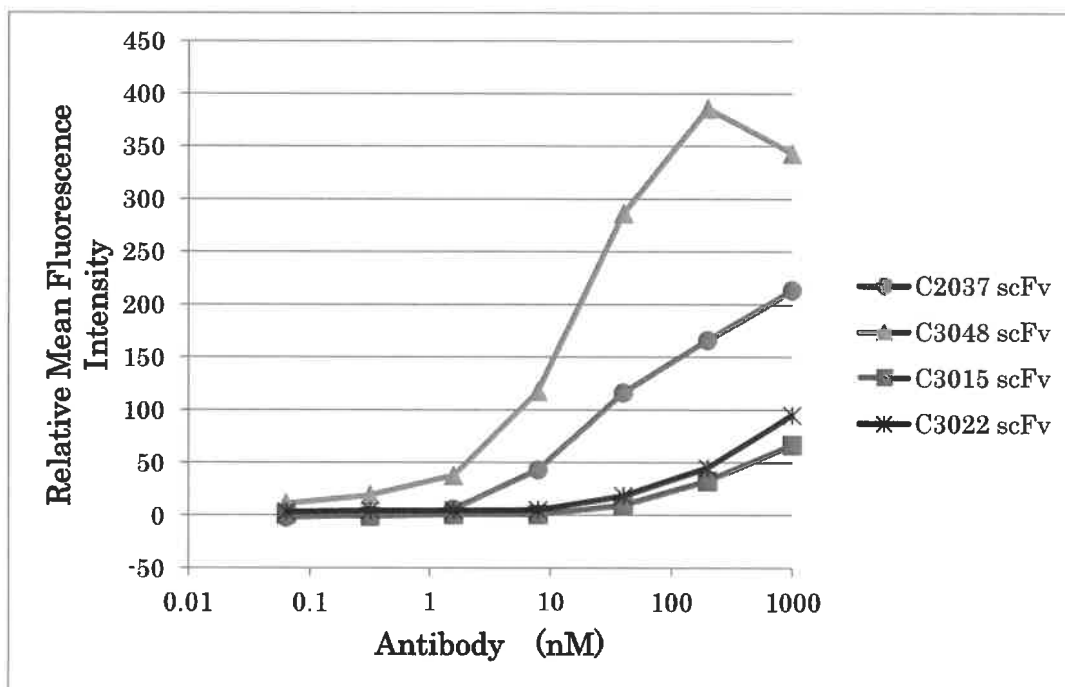
B



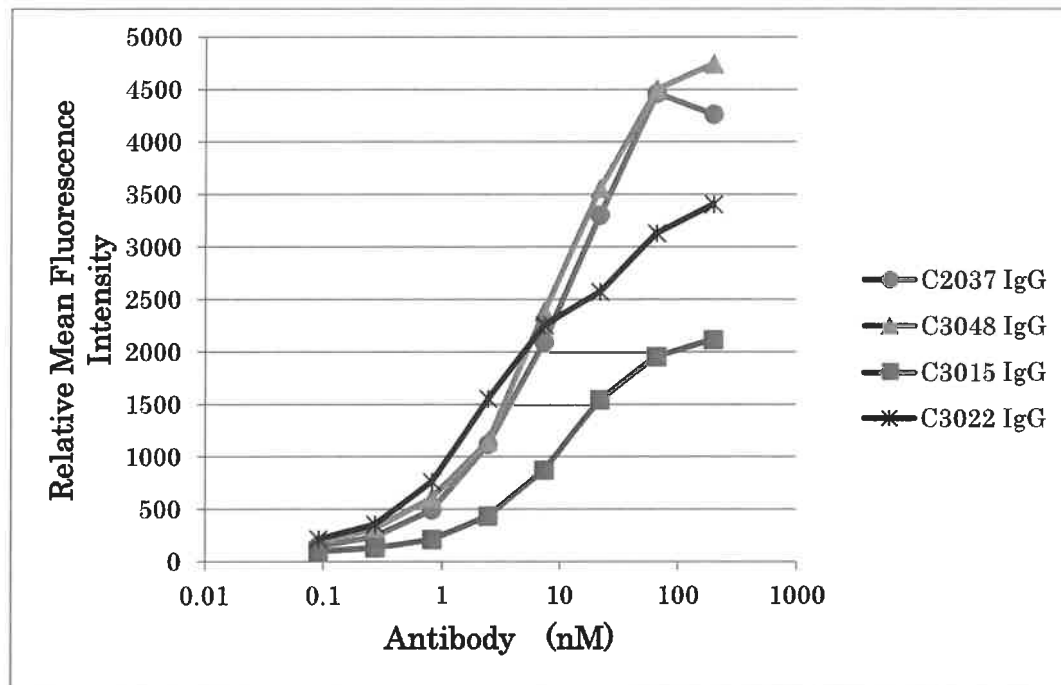
[Figure 165]



[Figure 166]



[Figure 167]



[Figure 168]

GAGGTGCAGTTGGTGGAGTCTGGGGGAGGCCTGGTGCAGCCTGGAAGGGCCCTGAAACT
 CTCCTGTGTAGTCTCTGGAGTCACATTCAATTACTACGGGATGAGCTGGATCCGCCAGG
 CTCCAGGGAAGGGGCTGGAGTGGGTTGCATCCATTACTAATTCTGGTGGTAGAATTTAC
 TATCCAGACTCTGTGAAGGGCCGATTCACTATCTCCAGAGAAAATACACAAAAGACCCT
 ATACCTACAAATGAACAGTCTGAGGTCTGAGGACACGGCCACTTATTACTGTACTCTCG
 ATGGTTCGCGATGGTTGGGTTGCTTACTGGGGCCAAGGCACTCTGGTCACTGTCTCTTCA

(SEQ ID NO: 152 of the Sequence Listing)

[Figure 169]

CAGTTTGTGCTTACTCAGCCAAACTCTGTGTCTACGAATCTCGGAACCACAGTCGAACT
GTCTTGCAAGCGCAACACTGGGAACATTGGAAGCAATTATGTGAACTGGTACCAGCAGC
ATGAGGGAAGATCTCCCACCACTATTATTTATAGGGATGATAAGAGACCAGATGGAGTT
TCTGACAGGTTCTCTGGGTCCATTGACAGATCTTCCAAGTCAGCCCTCCTGACAATCAA
TAATGTGCAGACTGAAGATGAAGCTGACTACTTCTGTCAGTCTTACAGTAGTGGTTTTTA
TTTTCGGCGGTGGAACCAAGCTCACTGTCCTA

(SEQ ID NO: 153 of the Sequence Listing)

[Figure 170]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGA
GGTGCAGTTGGTGGAGTCTGGGGGAGGCCTGGTGCAGCCTGGAAGGGCCCTGAAACTCT
CCTGTGTAGTCTCTGGAGTCACATTCAATTACTACGGGATGAGCTGGATCCGCCAGGCT
CCAGGGAAGGGGCTGGAGTGGGTTCATCCATTACTAATTCTGGTGGTAGAATTTACTA
TCCAGACTCTGTGAAGGGCCGATTCACTATCTCCAGAGAAAATACACAAAAGACCCTAT
ACCTACAAATGAACAGTCTGAGGTCTGAGGACACGGCCACTTATTACTGTACTCTCGAT
GGTCGCGATGGTTGGGTTGCTTACTGGGGCCAAGGCACTCTGGTCACTGTCTCTTCAGG
TGGAGGCGGTTTCAGGCGGAGGTGGCAGCGGCGGTGGCGGGAGTCAGTTTGTGCTTACTC
AGCCAAACTCTGTGTCTACGAATCTCGGAACCACAGTCGAACTGTCTTGCAAGCGCAAC
ACTGGGAACATTGGAAGCAATTATGTGAACTGGTACCAGCAGCATGAGGGAAGATCTCC
CACCCTATTATTTATAGGGATGATAAGAGACCAGATGGAGTTTCTGACAGGTTCTCTG
GGTCCATTGACAGATCTTCCAAGTCAGCCCTCCTGACAATCAATAATGTGCAGACTGAA
GATGAAGCTGACTACTTCTGTCAGTCTTACAGTAGTGGTTTTATTTTCGGCGGTGGAAC
CAAGCTCACTGTCTAGGCGCGTCTGCGGCCGCAGGATCCGGTGGTGATTACAAAGATG
ATGACGATAAAGGTGCAGCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 154 of the Sequence Listing)

[Figure 171]

EVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKLEWVASITNSGGRIY
YPDSVKGRFTISRENTQKTLYLQMNSLR AEDTAVYYCTLDGRDGVVAYWGQGLTVTVSS

(SEQ ID NO: 155 of the Sequence Listing)

[Figure 172]

NFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGSSPTTIIYRDDKRPDGV
SDRFSGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGGGTKLTVL

(SEQ ID NO: 156 of the Sequence Listing)

[Figure 173]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
AGAAGTGCAGCTGGTGGAATCCGGGGGGGGCCTGGTGCAGCCTGGGGGAGCCTGAGAC
TGAGTTGTGCCGCTCTGGGGTGACATTTAACTACTATGGCATGTCTTGGATCCGCCAG
GCACCTGGAAAGGGCCTGGAGTGGGTGGCCAGCATCACTAATTCGGGCGGGCGAATCTA
CTATCCCGACAGCGTCAAGGGCAGGTTACAATTTCCCGCGAGAACACACAGAAACTC
TGTACCTGCAGATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTG
GACGGCAGGGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCTGGTGACAGTCAGCTC
CGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACCTTTATGCTGA
CCCAGCCCCACAGTGTGTCAGAGAGCCCTGGCAAGACTGTCACCATCTCTTGTAAGG
AACACCGGAAATATTGGCAGTAACTACGTGAATTGGTATCAGCAGCATGAAGGGTCTAG
TCCAACCACAATCATCTACCGGGACGATAAGAGACCCGACGGGGTGTCCGATCGATTCT
CCGGATCTATCGACCGGTCAAGCAAGAGTGCTTCACTGACCATTAGCAATCTGAAAACA
GAGGACGAAGCAGATTACTTTTGCCAGTCCTATTCCTCTGGCTTCATCTTTGGAGGCGG
GACTAAACTGACCGTGCTGGGCGCGGCCGCAGGTGCAGGTGGTGATTACAAAGATGATG
ACGATAAAGGTGCAGCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 157 of the Sequence Listing)

[Figure 174]

QAVLTQPSSVSGVPGQRVTISCKRNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGV
PDRFSGSKSGTSASLAITGFQAEDEADYQCQSYSSGFIFGGGTKLTVL

(SEQ ID NO: 158 of the Sequence Listing)

[Figure 175]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
AGAAGTGCAGCTGGTGGAATCCGGGGGGGGCCTGGTGCAGCCTGGGGGGAGCCTGAGAC
TGAGTTGTGCCGCTCTGGGGTGACATTTAACTACTATGGCATGTCTTGGATCCGCCAG
GCACCTGGAAAGGGCCTGGAGTGGGTGGCCAGCATCTAATTCGGCGGGCGAATCTA
CTATCCCGACAGCGTCAAGGGCAGGTTCAACAATTTCCCGCGAGAACACACAGAAACTC
TGTACCTGCAGATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTG
GACGGCAGGGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCTGGTGACAGTCAGCTC
CGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAATGGCCCAGGCTG
TGCTCACTCAGCCGTCCTCTGTTTCTGGCGTACCTGGCCAACGGGTGACCATTAGCTGT
AAAAGGAATACCGGGAATATCGGGTCTAACTACGTGAACTGGTATCAGCAGCTTCCAGG
GACAGCTCCCAAGTTGCTGATCTATCGCGACGACAAAAGACCCTCAGGGGTCCCTGACC
GATTTAGTGGCAGCAAAAGCGGTACTTCCGCTTCCCTGGCGATAACCGGCTTTCAGGCC
GAAGATGAGGCAGACTACTATTGCCAGTCATATTCCAGCGGCTTCATCTTCGGAGGCGG
AACTAAGCTGACAGTGCTGGGCGCGGCCGAGGTGCAGGTGGTGATTACAAAGATGATG
ACGATAAAGGTGCAGCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 159 of the Sequence Listing)

[Figure 176]

NFMLTQPSSVSGVPGQRVTISCTGNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGV
PDRFSGSKSGTSASLAITGFQAEDEADYYCQSYSSGFIFGGGTKLTVL

(SEQ ID NO: 160 of the Sequence Listing)

[Figure 177]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
AGAAGTGCAGCTGGTGGAATCCGGGGGGGGCCTGGTGCAGCCTGGGGGGAGCCTGAGAC
TGAGTTGTGCCGCTCTGGGGTGACATTTAACTACTATGGCATGTCTTGGATCCGCCAG
GCACCTGGAAAGGGCCTGGAGTGGGTGGCCAGCATCACTAATTCGGGCGGGCGAATCTA
CTATCCCGACAGCGTCAAGGGCAGGTTCAACAATTTCCCGCGAGAACACACAGAAAATC
TGTACCTGCAGATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTG
GACGGCAGGGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCTGGTGACAGTCAGCTC
CGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACCTTTATGCTCA
CTCAGCCGTCCTCTGTTTCTGGCGTACCTGGCCAACGGGTGACCATTAGCTGTACGGGT
AATACCGGGAATATCGGGTCTAACTACGTGAACTGGTATCAGCAGCTTCCAGGGACAGC
TCCCAAGTTGCTGATCTATCGCGACGACAAAAGACCCTCAGGGGTCCCTGACCGATTTA
GTGGCAGCAAAAGCGGTACTTCCGCTTCCCTGGCGATAACCGGCTTTCAGGCCGAAGAT
GAGGCAGACTACTATTGCCAGTCATATTCCAGCGGCTTCATCTTCGGAGGCGGAATAA
GCTGACAGTGTTGGGTGCGGCCGCAGGTGCAGGTGGTGATTACAAAGATGATGACGATA
AAGGTGCAGCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 161 of the Sequence Listing)

[Figure 178]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCAGGCGCCAGCGTGAAGG
TGTCTGCAAGGCCAGCGGCTACACCTTTACCGGCTACTACATGCACTGGGTGCGCCAG
GCTCCAGGCCAGGGACTGGAATGGATGGGCGGATCAACCCCAATAGCGGCGGCACCAA
CTACGCCCAGAAATTCCAGGGCAGAGTGACCATGACCCGGGACACCAGCATCAGCACCG
CCTACATGGAAGTGAAGCGGCTGAGAAGCGACGACACCGCCGTGTACTACTGCGCCAGC
GGCAAGAGCAACTACCCTTGGGGCCAGGGCACACTCGTGACCGTGTCTAGCGGAGGCGG
AGGATCTGGCGGCGGAGGAAGTGGCGGAGGGGGATCTCAGCCTGTGCTGACACAGCCTC
CTAGCGCCTCTGGCACACCTGGCCAGAGAGTGACAATCAGCTGCAGCGGCAGCAACAGC
AACATCGGCAGCCGGACCGTGAAGTGGTATCAGCATCTGCCTGGCACCGCCCCAGACT
GCTGATCTACGGCAACAACCACTGGCCCAGCGGCGTGCCCGATAGATTGAGCGGCTCTA
AGAGCGGCAGCTCCGCCAGCCTGGCCATCTCTGGACTGAGATCCGAGGACGAGGCCGAC
TACTACTGTGCCGCCTGGGACGATAGCCTGAGCGGCGTGGTGTGTTGGCGGAGGCACCAA
GCTGACAGTGCTGGGCGGAGGCGGTTTCAAGTGCAGCTGGTGAATCCGGGGGGGGCC
TGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTTAAC
TACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTGGGTGGCCAG
CATCACTAATTCCGGCGGGCGAATCTACTATCCCGACAGCGTCAAGGGCAGGTTACAA
TTTCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAGATGAATAGCCTGAGAGCCGAA
GATACAGCTGTGTACTATTGCACTCTGGACGGCAGGGATGGGTGGGTGCGCTATTGGGG
GCAGGGAACCTGGTGACAGTCAGCTCCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTG
GGGGAGGCGGGTCAAACCTTTATGCTGACCCAGCCCCACAGTGTGTCAGAGAGCCCTGGC
AAGACTGTCACCATCTCTTGTAAGGAACACCGGAAATATTGGCAGTAACTACGTGAA
TTGGTATCAGCAGCATGAAGGGTCTAGTCCAACCACAATCATCTACCGGGACGATAAGA
GACCCGACGGGGTGTCCGATCGATTCTCCGGATCTATCGACCGGTCAAGCAAGAGTGCT
TCACTGACCATTAGCAATCTGAAAACAGAGGACGAAGCAGATTACTTTTGCCAGTCCTA
TTCTCTGGCTTCATCTTTGGAGGCGGGACTAAACTGACCGTGCTGGGCGCGGCCGCAG
GTGCAGGTGGTGATTACAAAGATGATGACGATAAAGGTGCAGCGGCGCATCACCATCAT
CACCAC

(SEQ ID NO: 162 of the Sequence Listing)

[Figure 179]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCCGGCAGCAGCGTGAAGG
TGTCTTGC AAGGCTAGCGGCGGCACCTTCAGCAGATACGCCATCTCTTGGGTGCGCCAG
GCCCCTGGACAGGGCCTGGAATGGATGGGCGGCATCATCCCCATCTTCGGCACCGCCAA
CTACGCCCAGAAATTCAGGGCAGAGTGACCATCACCGCCGACCAGAGCACCCGGACCG
CCTATATGGATCTGGGCGGCTGAGAAGCGAGGACACCGCCGTGTACTACTGCGCCCTG
GAAGGCTTCCGGGACAGCCTGAAGAGAAACCCCTTCGACATCTGGGGCCAGGGCACAAT
GGTCACCGTGTCTAGCGGAGGCGGAGGATCTGGCGGCGGAGGAAGTGGCGGAGGGGGAT
CTCAGTCTGTCTGACCCAGCCTCCTAGCGTGTGAGCCGCCCCAGGCCAGAAAGTGACA
ATCAGCTGTTCTGGCGGCACCACCAACATCGGCAGCAACTACGTGTCCTGGTATCAGCA
GCTGCCCCGAACCGCCCCCAAGTTCCTGATGTACGAGAACAACAAGCGGCCCAGCGGCA
TCCCCGACAGATTCAGCGGCAGCAAGAGCGGCACAAGCGCCACACTGGCCATCACCGGA
CTGCAGACAGGCGACGAGGCCACCTACTACTGCTCCACCTGGGACAGCAGCCTGAACAC
CGGCCTGTTTGGCGGAGGCACCAAGCTGACAGTGCTGGGCGGAGGCGGTTCAGAAGTGC
AGCTGGTGGAATCCGGGGGGGGCCTGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGT
GCCGCTCTGGGGTGACATTTAACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGG
AAAGGGCCTGGAGTGGGTGGCCAGCATCTACTAATTCGGGCGGGCGAATCTACTATCCCG
ACAGCGTCAAGGGCAGGTTTACAATTTCCCGCGAGAACACACAGAAAACCTCTGTACCTG
CAGATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGGCAG
GGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCTGGTGACAGTCAGCTCCGGAGGAG
GAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACCTTATGCTGACCCAGCCC
CACAGTGTGTCAGAGAGCCCTGGCAAGACTGTCACCATCTCTTGTAAGGAACACCGG
AAATATTGGCAGTAACTACGTGAATTGGTATCAGCAGCATGAAGGGTCTAGTCCAACCA
CAATCATCTACCGGGACGATAAGAGACCCGACGGGGTGTCCGATCGATTCTCCGGATCT
ATCGACCGGTCAAGCAAGAGTGCTTCACTGACCATTAGCAATCTGAAAACAGAGGACGA
AGCAGATTACTTTTGCCAGTCCTATTCTCTGGCTTCATCTTTGGAGGCGGGACTAAAC
TGACCGTGCTGGGCGCGGCCGAGGTGCAGGTGGTGATTACAAAGATGATGACGATAAA
GGTGCAGCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 163 of the Sequence Listing)

[Figure 180]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCAGGCGCCAGCGTGAAGG
TGTCTGCAAGGCCAGCGGCTACACCTTTACCGGCTACTACATGCACTGGGTGCGCCAG
GCTCCAGGCCAGGGACTGGAATGGATGGGCCGGATCAACCCCAATAGCGGCGGCACCAA
CTACGCCCAGAAATTCCAGGGCAGAGTGACCATGACCCGGGACACCAGCATCAGCACCG
CCTACATGGAAGTGAAGCGGCTGAGAAGCGACGACACCGCCGTGTACTACTGTGCCTCT
GGCTCTGTGCGGCACCCCTTGGGGACAGGGAACACTCGTGACCGTGTCCAGCGGTGGAGG
CGGTTCAGGCGGAGGTGGCAGCGGCGGTGGCGGGAGTCAGCCTGTGCTGACACAGCCTC
CAAGCGCCTCTGGCACACCTGGCCAGAGAGTGACAATCAGCTGCAGCGGCAGCAGAAGC
AACATCGGCGGCAACATCGTGTCTGGTATCAGCAGTTCCCCGGCACCGCCCCTAGACT
GCTGACCTACGCCGACAACCAGAGGCCTAGCGGCGTGCCCGATAGATTACAGCGGCTCTA
AGAGCGGCACCAGCGCCAGCCTGGCCATCTCTGGCCTGCAGTCTGAGGACGAGGCCGAC
TACTATTGCGCCGCCTGGGACGACAGCCTGAACGGCGTGGTGTTTGGCGGAGGCACCAA
GCTGACAGTGCTGGGCGGAGGCGGTTTCAAGTGCAGCTGGTGGAATCCGGGGGGGGCC
TGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCTCTGGGGTGACATTTAAC
TACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTGGGTGGCCAG
CATCACTAATTCCGGCGGGCGAATCTACTATCCCGACAGCGTCAAGGGCAGGTTACAA
TTTCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAGATGAATAGCCTGAGAGCCGAA
GATACAGCTGTGTACTATTGCACTCTGGACGGCAGGGATGGGTGGGTGCGCTATTGGGG
GCAGGGAACCCCTGGTGACAGTCAGCTCCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTG
GGGGAGGCGGGTCAAACCTTTATGCTGACCCAGCCCCACAGTGTGTCAGAGAGCCCTGGC
AAGACTGTCACCATCTCTTGTAAGGAACACCGGAAATATTGGCAGTAACTACGTGAA
TTGGTATCAGCAGCATGAAGGGTCTAGTCCAACCACAATCATCTACCGGGACGATAAGA
GACCCGACGGGGTGTCCGATCGATTCTCCGGATCTATCGACCGGTCAAGCAAGAGTGCT
TCACTGACCATTAGCAATCTGAAAACAGAGGACGAAGCAGATTACTTTTGCCAGTCCTA
TTCTCTGGCTTCATCTTTGGAGGCGGGACTAAACTGACCGTGCTGGGCGCGGCCGCAG
GTGCAGGTGGTGATTACAAAGATGATGACGATAAAGGTGCAGCGGCGCATCACCATCAT
CACCAC

(SEQ ID NO: 164 of the Sequence Listing)

[Figure 181]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCAGGCGCCAGCGTGAAGG
TGTCTGCAAGGCCAGCGGCTACACCTTTACCGGCTACTACATGCACTGGGTGCGCCAG
GCTCCAGGCCAGGGACTGGAATGGATGGGCCGGATCAACCCCAATAGCGGCGGCACCAA
CTACGCCCAGAAATTCCAGGGCAGAGTGACCATGACCCGGGACACCAGCATCAGCACCG
CCTACATGGAAGTGCAGCGGCTGAGAAGCGACGACACCGCCGTGTACTACTGCGCCAGC
GGCAAGAGCAACTACCCTTGGGGCCAGGGCACACTCGTGACCGTGTCTAGCGGAGGCGG
AGGATCTGGCGGCGGAGGAAGTGGCGGAGGGGGATCTCAGCCTGTGCTGACACAGCCTC
CTAGCGCCTCTGGCACACCTGGCCAGAGAGTGACAATCAGCTGCAGCGGCAGCAACAGC
AACATCGGCAGCCGGACCGTGAAGTGGTATCAGCATCTGCCTGGCACCGCCCCCAGACT
GCTGATCTACGGCAACAACCAGTGGCCCAGCGGCGTGCCCGATAGATTAGCGGGCTCTA
AGAGCGGCAGCTCCGCCAGCCTGGCCATCTCTGGACTGAGATCCGAGGACGAGGCCGAC
TACTACTGTGCCGCCTGGGACGATAGCCTGAGCGGCGTGGTGTGTTGGCGGAGGCACCAA
GCTGACAGTGCTGGGCGGAGGCGGTTCAGAAAGTGCAGCTGGTGAATCCGGGGGGGGCC
TGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTTAAC
TACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTGGGTGGCCAG
CATCACTAATTCCGGCGGGCGAATCTACTATCCCGACAGCGTCAAGGGCAGGTTACAA
TTTCCCCGCGAGAACACACAGAAAACCTGTGTACCTGCAGATGAATAGCCTGAGAGCCGAA
GATACAGCTGTGTACTATTGCACTCTGGACGGCAGGGATGGGTGGGTGCGCTATTGGGG
GCAGGGAACCCTGGTGACAGTCAGCTCCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTG
GGGGAGGCGGGTCAATGGCCCAGGCTGTGCTCACTCAGCCGTCCTCTGTTTCTGGCGTA
CCTGGCCAACGGGTGACCATTAGCTGTAAAAGGAATACCGGGAATATCGGGTCTAACTA
CGTGAACTGGTATCAGCAGCTTCCAGGGACAGCTCCCAAGTTGCTGATCTATCGCGACG
ACAAAAGACCCTCAGGGGTCCCTGACCGATTTAGTGGCAGCAAAAGCGGTACTTCCGCT
TCCCTGGCGATAACCGGCTTTCAGGCCGAAGATGAGGCAGACTACTATTGCCAGTCATA
TTCCAGCGGCTTCATCTTCGGAGGCGGAAGTAAAGTGACAGTGTTGGGCGCGGCCGAG
GTGCAGGTGGTGATTACAAAGATGATGACGATAAAGGTGCAGCGGCGCATCACCATCAT
CACCAC

(SEQ ID NO: 165 of the Sequence Listing)

[Figure 182]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCCGGCAGCAGCGTGAAGG
TGTCTGCAAGGCTAGCGGCGGCACCTTCAGCAGATACGCCATCTCTTGGGTGCGCCAG
GCCCCTGGACAGGGCCTGGAATGGATGGGCGGCATCATCCCCATCTTCGGCACCGCCAA
CTACGCCCAGAAATTCCAGGGCAGAGTGACCATCACCGCCGACCAGAGCACCCGGACCG
CCTATATGGATCTGGGCCGGCTGAGAAGCGAGGACACCGCCGTGTACTACTGCGCCCTG
GAAGGCTTCCGGGACAGCCTGAAGAGAAACCCCTTCGACATCTGGGGCCAGGGCACAAT
GGTCACCGTGTCTAGCGGAGGCGGAGGATCTGGCGGCGGAGGAAGTGGCGGAGGGGGAT
CTCAGTCTGTCGTGACCCAGCCTCCTAGCGTGTGAGCCGCCCCAGGCCAGAAAGTGACA
ATCAGCTGTTCTGGCGGCACCAACATCGGCAGCAACTACGTGTCCTGGTATCAGCA
GCTGCCCCGAACCGCCCCCAAGTTCCTGATGTACGAGAACAACAAGCGGCCCAGCGGCA
TCCCCGACAGATTACAGCGGCAGCAAGAGCGGCACAAGCGCCACACTGGCCATCACCGGA
CTGCAGACAGGCGACGAGGCCACCTACTACTGCTCCACCTGGGACAGCAGCCTGAACAC
CGGCCTGTTTGGCGGAGGCACCAAGCTGACAGTGCTGGGCGGAGGCGGTTCAGAAGTGC
AGCTGGTGGAAATCCGGGGGGGGCCTGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGT
GCCGCCTCTGGGGTGACATTTAACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGG
AAAGGGCCTGGAGTGGGTGGCCAGCATCACTAATTCCGGCGGGCGAATCTACTATCCCG
ACAGCGTCAAGGGCAGGTTCAACAATTTCCCGCGAGAACACACAGAAAACCTCTGTACCTG
CAGATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGGCAG
GGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCCTGGTGACAGTCAGCTCCGGAGGAG
GAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAATGGCCCAGGCTGTGCTCACT
CAGCCGTCTCTGTTTCTGGCGTACCTGGCCAACGGGTGACCATTAGCTGTAAAAGGAA
TACCGGGAATATCGGGTCTAACTACGTGAACTGGTATCAGCAGCTTCCAGGGACAGCTC
CCAAGTTGCTGATCTATCGCGACGACAAAAGACCCTCAGGGGTCCCTGACCGATTTAGT
GGCAGCAAAAGCGGTACTTCCGCTTCCCTGGCGATAACCGGCTTTCAGGCCGAAGATGA
GGCAGACTACTATTGCCAGTCATATTCCAGCGGCTTCATCTTCGGAGGCGGAACATAAGC
TGACAGTGTGGGCGCGGCCGAGGTGCAGGTGGTGATTACAAAGATGATGACGATAAA
GGTGCAGCGGCGCATCACCATCATCACAC

(SEQ ID NO: 166 of the Sequence Listing)

[Figure 183]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCAGGCGCCAGCGTGAAGG
TGTCTGCAAGGCCAGCGGCTACACCTTTACCGGCTACTACATGCACTGGGTGCGCCAG
GCTCCAGGCCAGGGACTGGAATGGATGGGCCGGATCAACCCCAATAGCGGCGGCACCAA
CTACGCCCAGAAATTCCAGGGCAGAGTGACCATGACCCGGGACACCAGCATCAGCACCG
CCTACATGGAAGTGAAGCGGCTGAGAAGCGACGACACCGCCGTGTACTACTGTGCCTCT
GGCTCTGTGCGGCACCCTTGGGGACAGGGAACACTCGTGACCGTGTCCAGCGGTGGAGG
CGGTTCAAGGCGGAGGTGGCAGCGGCGGTGGCGGGAGTCAGCCTGTGCTGACACAGCCTC
CAAGCGCCTCTGGCACACCTGGCCAGAGAGTGACAATCAGCTGCAGCGGCAGCAGAAGC
AACATCGGCGGCAACATCGTGTCTTGGTATCAGCAGTTCGCCCGGCACCGCCCCTAGACT
GCTGACCTACGCCGACAACCAGAGGCCTAGCGGCGTGCCCGATAGATTAGCGGCTCTA
AGAGCGGCACCAGCGCCAGCCTGGCCATCTCTGGCCTGCAGTCTGAGGACGAGGCCGAC
TACTATTGCGCCGCCTGGGACGACAGCCTGAACGGCGTGGTGTGTTGGCGGAGGCACCAA
GCTGACAGTGTGGGCGGAGGCGGTTGAGAAAGTGCAGCTGGTGAATCCGGGGGGGGCC
TGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTTAAC
TACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTGGGTGGCCAG
CATCACTAATTCCGGCGGGCGAATCTACTATCCCGACAGCGTCAAGGGCAGGTTACAA
TTTCCCGCGAGAACACACAGAAACTCTGTACCTGCAGATGAATAGCCTGAGAGCCGAA
GATACAGCTGTGTACTATTGCACTCTGGACGGCAGGGATGGGTGGGTGCGCTATTGGGG
GCAGGGAACCCTGGTGACAGTCAGCTCCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTG
GGGGAGGCGGGTCAATGGCCCAGGCTGTGCTCACTCAGCCGTCCTCTGTTTCTGGCGTA
CCTGGCCAACGGGTGACCATTAGCTGTAAAAGGAATACCGGGAATATCGGGTCTAACTA
CGTGAACTGGTATCAGCAGCTTCCAGGGACAGCTCCCAAGTTGCTGATCTATCGCGACG
ACAAAAGACCCTCAGGGGTCCCTGACCGATTTAGTGGCAGCAAAAGCGGTACTTCCGCT
TCCCTGGCGATAACCGGCTTTCAGGCCGAAGATGAGGCAGACTACTATTGCCAGTCATA
TTCCAGCGGCTTCATCTTCGGAGGCGGAATAAGCTGACAGTGTGGGCGCGGCCGCAG
GTGCAGGTGGTGATTACAAAGATGATGACGATAAAGGTGCAGCGGCGCATCACCATCAT
CACCAC

(SEQ ID NO: 167 of the Sequence Listing)

[Figure 184]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCAGGCGCCAGCGTGAAGG
TGTCTGCAAGGCCAGCGGCTACACCTTTACCGGCTACTACATGCACTGGGTGCGCCAG
GCTCCAGGCCAGGGACTGGAATGGATGGGCCGGATCAACCCCAATAGCGGCGGCACCAA
CTACGCCCAGAAATTCCAGGGCAGAGTGACCATGACCCGGGACACCAGCATCAGCACCG
CCTACATGGAAGTGAAGCGGCTGAGAAGCGACGACACCGCCGTGTACTACTGCGCCAGC
GGCAAGAGCAACTACCCTTGGGGCCAGGGCACACTCGTGACCGTGTCTAGCGGAGGCGG
AGGATCTGGCGGCGGAGGAAGTGGCGGAGGGGGATCTCAGCCTGTGCTGACACAGCCTC
CTAGCGCCTCTGGCACACCTGGCCAGAGAGTGACAATCAGCTGCAGCGGCAGCAACAGC
AACATCGGCAGCCGGACCGTGAAGTGGTATCAGCATCTGCCTGGCACCGCCCCCAGACT
GCTGATCTACGGCAACAACCAGTGGCCCAGCGGCGTGCCCGATAGATTTCAGCGGCTCTA
AGAGCGGCAGCTCCGCCAGCCTGGCCATCTCTGGACTGAGATCCGAGGACGAGGCCGAC
TACTACTGTGCCGCCTGGGACGATAGCCTGAGCGGCGTGGTGTGTTGGCGGAGGCACCAA
GCTGACAGTGCTGGGCGGAGGCGGTTTCTAGAAGTGCAGCTGGTGAATCCGGGGGGGGCC
TGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTTAAC
TACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTGGGTGGCCAG
CATCACTAATTCCGGCGGGCGAATCTACTATCCCGACAGCGTCAAGGGCAGGTTACAA
TTTCCCGCGAGAACACACAGAAAATCTGTACCTGCAGATGAATAGCCTGAGAGCCGAA
GATACAGCTGTGTACTATTGCACTCTGGACGGCAGGGATGGGTGGGTGCGCTATTGGGG
GCAGGGAACCCCTGGTGACAGTCAGCTCCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTG
GGGGAGGCGGGTCAAACCTTTATGCTCACTCAGCCGTCCTCTGTTTCTGGCGTACCTGGC
CAACGGGTGACCATTAGCTGTACGGGTAATACCGGGAATATCGGGTCTAACTACGTGAA
CTGGTATCAGCAGCTTCCAGGGACAGCTCCCAAGTTGCTGATCTATCGCGACGACAAAA
GACCCTCAGGGGTCCCTGACCGATTTAGTGGCAGCAAAAGCGGTACTTCCGCTTCCCTG
GCGATAACCGGCTTTCAGGCCGAAGATGAGGCAGACTACTATTGCCAGTCATATTCAG
CGGCTTCATCTTCGGAGGCGGAATAAGCTGACAGTGTTGGGCGCGGCCGCAGGTGCAG
GTGGTGATTACAAAGATGATGACGATAAAGGTGCAGCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 168 of the Sequence Listing)

[Figure 185]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCCGGCAGCAGCGTGAAGG
TGTCTGCAAGGCTAGCGGCGGCACCTTCAGCAGATACGCCATCTCTTGGGTGCGCCAG
GCCCCTGGACAGGGCCTGGAATGGATGGGCGGCATCATCCCCATCTTCGGCACCGCCAA
CTACGCCCAGAAATTCAGGGCAGAGTGACCATCACCGCCGACCAGAGCACCCGGACCG
CCTATATGGATCTGGGCGGCTGAGAAGCGAGGACACCGCCGTGTACTACTGCGCCCTG
GAAGGCTTCCGGGACAGCCTGAAGAGAAACCCCTTCGACATCTGGGGCCAGGGCACAAT
GGTCACCGTGTCTAGCGGAGGCGGAGGATCTGGCGGCGGAGGAAGTGGCGGAGGGGGAT
CTCAGTCTGTCTGACCCAGCCTCCTAGCGTGTCTAGCCGCCCCAGGCCAGAAAGTGACA
ATCAGCTGTTCTGGCGGCACCACCAACATCGGCAGCAACTACGTGTCCTGGTATCAGCA
GCTGCCCCGAACCGCCCCCAAGTTCCTGATGTACGAGAACAACAAGCGGCCAGCGGCA
TCCCCGACAGATTCAGCGGCAGCAAGAGCGGCACAAGCGCCACACTGGCCATCACCGGA
CTGCAGACAGGCGACGAGGCCACCTACTACTGCTCCACCTGGGACAGCAGCCTGAACAC
CGGCCTGTTTGGCGGAGGCACCAAGCTGACAGTGCTGGGCGGAGGCGGTTCAGAAGTGC
AGCTGGTGGAATCCGGGGGGGGCCTGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGT
GCCGCTCTGGGGTGACATTTAACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGG
AAAGGGCCTGGAGTGGGTGGCCAGCATCACTAATTCCGGCGGGCGAATCTACTATCCCG
ACAGCGTCAAGGGCAGGTTCAACAATTTCCCGCGAGAACACACAGAAAACCTCTGTACCTG
CAGATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGGCAG
GGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCTGGTGACAGTCAGCTCCGGAGGAG
GAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACCTTATGCTCACTCAGCCG
TCCTCTGTTTCTGGCGTACCTGGCCAACGGGTGACCATTAGCTGTACGGGTAATACCGG
GAATATCGGGTCTAACTACGTGAACTGGTATCAGCAGCTTCCAGGGACAGCTCCCAAGT
TGCTGATCTATCGCGACGACAAAAGACCCTCAGGGGTCCCTGACCGATTTAGTGGCAGC
AAAAGCGGTACTTCCGCTTCCCTGGCGATAACCGGCTTTCAGGCCGAAGATGAGGCAGA
CTACTATTGCCAGTCATATTCCAGCGGCTTCATCTTCGGAGGCGGAACTAAGCTGACAG
TGTTGGGCGCGGCCGCAGGTGCAGGTGGTGATTACAAAGATGATGACGATAAAGGTGCA
GCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 169 of the Sequence Listing)

[Figure 186]

ATGAAACACCTGTGGTTCTTCCTCCTGCTGGTGGCAGCTCCCAGATGGGTGCTGAGCGG
ACAGGTGCAGCTGGTGCAGTCTGGCGCCGAAGTGAAGAAACCAGGCGCCAGCGTGAAGG
TGTCTGCAAGGCCAGCGGCTACACCTTTACCGGCTACTACATGCACTGGGTGCGCCAG
GCTCCAGGCCAGGGACTGGAATGGATGGGCCGGATCAACCCCAATAGCGGCGGCACCAA
CTACGCCCAGAAATTCCAGGGCAGAGTGACCATGACCCGGGACACCAGCATCAGCACCG
CCTACATGGAAGTGAAGCGGCTGAGAAGCGACGACACCGCCGTGTACTACTGTGCCTCT
GGCTCTGTGCGGCACCCTTGGGGACAGGGAACACTCGTGACCGTGTCCAGCGGTGGAGG
CGGTTGAGGCGGAGGTGGCAGCGGCGGTGGCGGGAGTCAGCCTGTGCTGACACAGCCTC
CAAGCGCCTCTGGCACACCTGGCCAGAGAGTGACAATCAGCTGCAGCGGCAGCAGAAGC
AACATCGGCGGCAACATCGTGTCTGGTATCAGCAGTTCCCCGGCACCGCCCCCTAGACT
GCTGACCTACGCCGACAACCAGAGGCCTAGCGGCGTGCCCGATAGATTGAGCGGCTCTA
AGAGCGGCACCAGCGCCAGCCTGGCCATCTCTGGCCTGCAGTCTGAGGACGAGGCCGAC
TACTATTGCGCCGCCTGGGACGACAGCCTGAACGGCGTGGTGTTTGGCGGAGGCACCAA
GCTGACAGTGCTGGGCGGAGGCGGTTTCAAGTGCAGCTGGTGGAATCCGGGGGGGGCC
TGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTTAAC
TACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTGGGTGGCCAG
CATCACTAATTCCGGCGGGCGAATCTACTATCCCGACAGCGTCAAGGGCAGGTTACAA
TTTCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAGATGAATAGCCTGAGAGCCGAA
GATACAGCTGTGTACTATTGCACTCTGGACGGCAGGGATGGGTGGGTGCGCTATTGGGG
GCAGGGAACCTGGTGACAGTCAGCTCCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTG
GGGGAGGCGGGTCAAACTTTATGCTCACTCAGCCGTCCTCTGTTTCTGGCGTACCTGGC
CAACGGGTGACCATTAGCTGTACGGGTAATACCGGGAATATCGGGTCTAACTACGTGAA
CTGGTATCAGCAGCTTCCAGGGACAGCTCCCAAGTTGCTGATCTATCGCGACGACAAAA
GACCCTCAGGGGTCCCTGACCGATTTAGTGGCAGCAAAAGCGGTACTTCCGCTTCCCTG
GCGATAACCGGCTTTCAGGCCGAAGATGAGGCAGACTACTATTGCCAGTCATATTCCAG
CGGCTTCATCTTCGGAGGCGGAACTAAGCTGACAGTGTTGGGCGCGGCCGAGGTGCAG
GTGGTGATTACAAAGATGATGACGATAAAGGTGCAGCGGCGCATCACCATCATCACCAC

(SEQ ID NO: 170 of the Sequence Listing)

[Figure 187]

MKHLWFFLLLVAAPRWVLSGQVQLVQSGAEVKKPGASVKVSCKASGYTFTGYMHWVRQ
APGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSRLRSDDTAVYYCAS
GKSNYPWGQGTLLTVSSGGGGSGGGGSGGGGSQPVLTQPPSASGTPGQRTVISCSSNS
NIGSRTVNWYQHLPGTAPRLLIYGNQWPSGVPDRFSGSKSGSSASLAISGLRSEDEAD
YYCAAWDDSLSGVVFSGGKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSCAASGVTFN
YYGMSWIRQAPGKLEWVASITNSGGRIYYPDSVKGRFTISRENTQKTLYLQMNSLRAE
DTAVYYCTLDGRDGVVAYWGQGTLLTVSSGGGGSGGGGSGGGGSNFMLTQPHSVSESPG
KTVTISCKRNTGNIGSNYVNWYQQHEGSSPTTIIYRDDKRPDGVSDRFSGSIDRSSKSA
SLTISNLKTEDEADYFCQSYSSGFIFGGGKLTVLGAAAGAGGDYKDDDDKGAHHHHH
HH

(SEQ ID NO: 171 of the Sequence Listing)

[Figure 188]

MKHLWFFLLLVAAPRWVLSGQVQLVQSGAEVKKPGSSVKVSCKASGGTFSRYAISWVRQ
APGQGLEWMGGIIPIFGTANYAQKFQGRVTITADQSTRTAYMDLGRLRSEDTAVYYCAL
EGFRDSLKRNPFDIWGQGTMTVSSGGGGSGGGGSGGGGSQSVVTQPPSVSAAPGQKVT
ISCSGGTTNIGSNYVSWYQQLPGTAPKFLMYENNKRPSPGIPDRFSGSKSGTSATLAITG
LQTGDEATYYCSTWDSSLNTGLFGGGKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSC
AASGVTFNYYGMSWIRQAPGKLEWVASITNSGGRIYYPDSVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGVVAYWGQGTLLTVSSGGGGSGGGGSGGGGSNFMLTQP
HSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGSSPTTIIYRDDKRPDGVSDRFSGS
IDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGGGKLTVLGAAAGAGGDYKDDDDK
GAAHHHHHHH

(SEQ ID NO: 172 of the Sequence Listing)

[Figure 189]

MKHLWFFLLLVAAAPRWVLSGQVQLVQSGAEVKKPGASVKVSCKASGYTFTGYMHWVRQ
APGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSLRSDDTAVYYCAS
GSVRHPWGQGTTLVTVSSGGGGSGGGGSGGGGSQPVLTQPPSASGTPGQRVTISCSGSRS
NIGGNIVSWYQQFPGTAPRLLTYADNQRPSPGVPDRFSGSKSGTSASLAISGLQSEDEAD
YYCAAWDDSLNGVVFGGGTKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSCAASGVTFN
YYGMSWIRQAPGKGLEWVASITNSGGRIYYPDSVKGRFTISRENTQKTLYLQMNSLRAE
DTAVYYCTLDGRDGWVAYWGQGTTLVTVSSGGGGSGGGGSGGGGSNFMILTQPHSVSESPG
KTVTISCKRNTGNIGSNYVNWYQQHEGSSPTTIIYRDDKRPDGVSDRFSGSIDRSSKSA
SLTISNLKTEDEADYFCQSYSSGFIFGGGTKLTVLGAAAGAGGDYKDDDDKGAAAHHHH
HH

(SEQ ID NO: 173 of the Sequence Listing)

[Figure 190]

MKHLWFFLLLVAAAPRWVLSGQVQLVQSGAEVKKPGASVKVSCKASGYTFTGYMHWVRQ
APGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSLRSDDTAVYYCAS
GKSNYPWGQGTTLVTVSSGGGGSGGGGSGGGGSQPVLTQPPSASGTPGQRVTISCSGSNS
NIGSRTVNWYQHLPGTAPRLLIYGNNQWPSGVPDRFSGSKSGSSASLAISGLRSEDEAD
YYCAAWDDSLSGVVFGGGTKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSCAASGVTFN
YYGMSWIRQAPGKGLEWVASITNSGGRIYYPDSVKGRFTISRENTQKTLYLQMNSLRAE
DTAVYYCTLDGRDGWVAYWGQGTTLVTVSSGGGGSGGGGSGGGGSMAQAVLTQPSSVSGV
PGQRVTISCKRNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGVPDRFSGSKSGTSA
SLAITGFQAEDEADYYCQSYSSGFIFGGGTKLTVLGAAAGAGGDYKDDDDKGAAAHHHH
HH

(SEQ ID NO: 174 of the Sequence Listing)

[Figure 191]

MKHLWFFLLLVAAPRWVLSGQVQLVQSGAEVKKPGSSVKVSCKASGGTFSRYAISWVRQ
APQGQLEWMGGIIPIFGTANYAQKFQGRVTITADQSTRTAYMDLGRLRSED TAVYYCAL
EGFRDSLKRNPFDIWGQGTMTVTVSSGGGGSGGGGSGGGGSQSVVTQPPSVSAAPGQKVT
ISCSGGTTNIGSNYVSWYQQLPGTAPKFLMYENNKRP SGIPDRFSGSKSGTSATLAITG
LQTGDEATYYCSTWDSSLNTGLFGGGTKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSC
AASGVTFNYYGMSWIRQAPGKGLEWVASITNSGGRIIYYPDSVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGT LVTVSSGGGGSGGGGSGGGGSMAQAVLT
QPSSVSGVPGQRVTISCKRNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGVPDRFS
GSKSGTSASLAITGFQAEDEADYYCQSYSSGFIFGGG TKLTVLGAAAGAGGDYKDDDDK
GAAAHHHHHH

(SEQ ID NO: 175 of the Sequence Listing)

[Figure 192]

MKHLWFFLLLVAAPRWVLSGQVQLVQSGAEVKKPGASVKVSCKASGYTFTGYIMHWVRQ
APQGQLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSGLRSDDTAVYYCAS
GSVRHPWGQGT LVTVSSGGGGSGGGGSGGGGSQPVLTQPPSASGTPGQRVTISCSGSRS
NIGGNIVSWYQQFPGTAPRLLTYADNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEAD
YYCAAWDDSLNGVVFGGGTKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSCAASGVTFN
YYGMSWIRQAPGKGLEWVASITNSGGRIIYYPDSVKGRFTISRENTQKTLYLQMNSLRAE
DTAVYYCTLDGRDGWVAYWGQGT LVTVSSGGGGSGGGGSGGGGSMAQAVLTQPSSVSGV
PGQRVTISCKRNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGVPDRFSGSKSGTSA
SLAITGFQAEDEADYYCQSYSSGFIFGGG TKLTVLGAAAGAGGDYKDDDDKGAAAHHHH
HH

(SEQ ID NO: 176 of the Sequence Listing)

[Figure 193]

MKHLWFFLLLVAAAPRWVLSGQVQLVQSGAEVKKPGASVKVSCKASGYTFTGYYMHWVRQ
APGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSRLRSDDTAVYYCAS
GKSNYPWGQGTTLVTVSSGGGGSGGGGSGGGGSQPVLTQPPSASGTPGQRTVISCSSNS
NIGSRTVNWYQHLPGTAPRLLIYGNNQWPSGVPDRFSGSKSGSSASLAISGLRSEDEAD
YYCAAWDDSLSGVVFSGGTKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSCAASGVTFN
YYGMSWIRQAPGKGLEWVASITNSGGRIIYPDSVKGRFTISRENTQKTLYLQMNSLRAE
DTAVYYCTLDGRDGWVAYWGQGTTLVTVSSGGGGSGGGGSGGGGSNFMLTQPSSVSGVPG
QRTVISCSTGNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGVPDRFSGSKSGTSASL
AITGFQAEDEADYYCQSYSSGFIFGGGTKLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 177 of the Sequence Listing)

[Figure 194]

MKHLWFFLLLVAAAPRWVLSGQVQLVQSGAEVKKPGSSVKVSCKASGGTFSRYAISWVRQ
APGQGLEWMGGIIPIFGTANYAQKFQGRVTITADQSTRTAYMDLGRLRSEDTAVYYCAL
EGFRDSLKRNPFDIWGQGTMTVTVSSGGGGSGGGGSGGGGSQSVVTQPPSVSAAPGQKVT
ISCSSGTTNIGSNYVSWYQQLPGTAPKFLMYENNKRPSPDRFSGSKSGTSATLAITG
LQTGDEATYYCSTWDSSLNTGLFGGGTKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSC
AASGVTFNYYGMSWIRQAPGKGLEWVASITNSGGRIIYPDSVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTTLVTVSSGGGGSGGGGSGGGGSNFMLTQP
SSVSGVPGQRTVISCSTGNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGVPDRFSGS
KSGTSASLAITGFQAEDEADYYCQSYSSGFIFGGGTKLTVLGAAAGAGGDYKDDDDKGA
AAHHHHHH

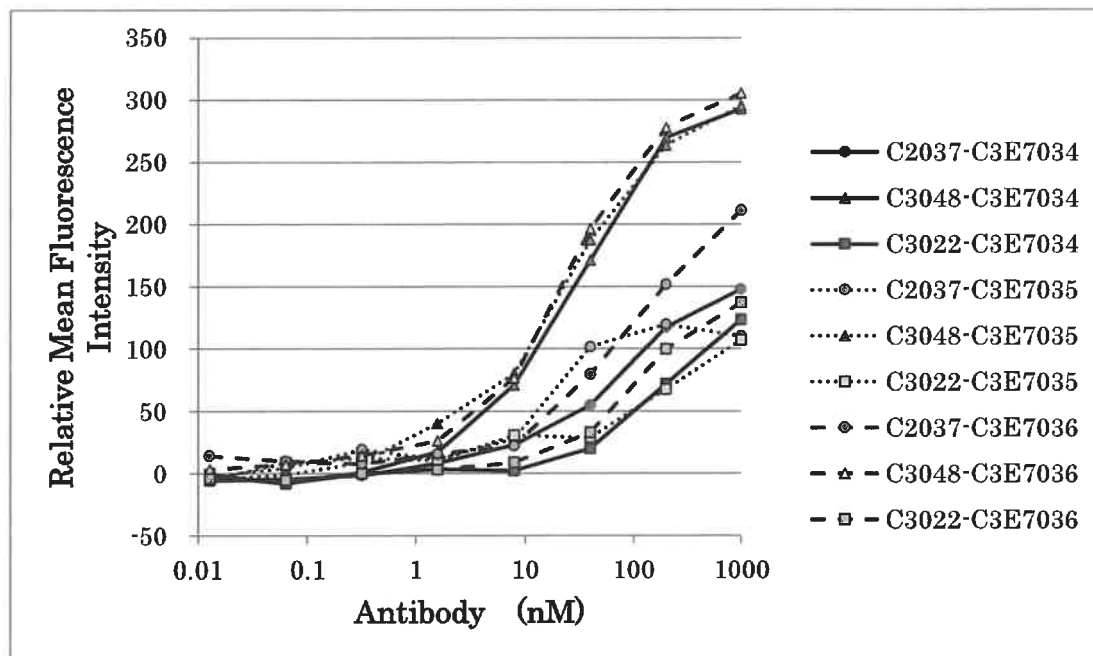
(SEQ ID NO: 178 of the Sequence Listing)

[Figure 195]

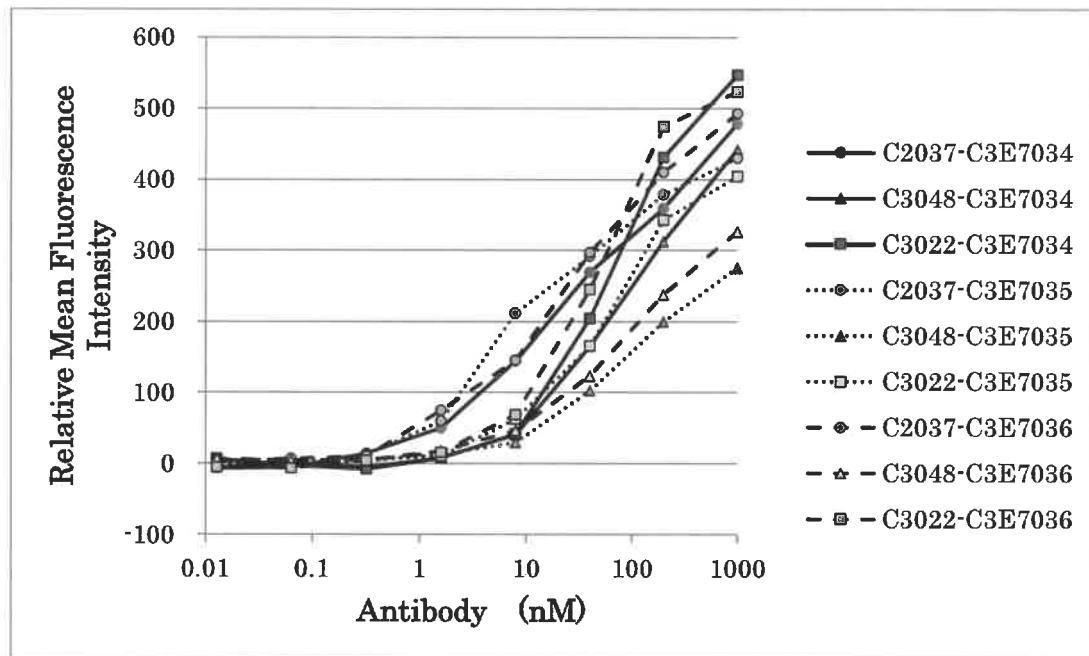
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 APGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSGLRSDDTAVYYCAS
 GSVRHPWGQGTLVTVSSGGGGSGGGSGGGGSQPVLTQPPSASGTPGQRVTISCSGSRS
 NIGGNIVSWYQQFPGTAPRLLTYADNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEAD
 YYCAAWDDSLNGVVFGGGTKLTVLGGGGSEVQLVESGGGLVQPGGSLRLSCAASGVTFN
 YYGMSWIRQAPGKGLEWVASITNSGGRIIYPDSVKGRFTISRENTQKTLYLQMNSLRAE
 DTAVYYCTLDGRDGVVAYWGQGTLVTVSSGGGGSGGGSGGGGSNFMILTQPSSVSGVPG
 QRVTISCTGNTGNIGSNYVNWYQQLPGTAPKLLIYRDDKRPSGVPDRFSGSKSGTSASL
 AITGFQAEDEADYYCQSYSSGFIFGGGTKLTVLGAAAGAGGDYKDDDDKGA AAHHHHHH

(SEQ ID NO: 179 of the Sequence Listing)

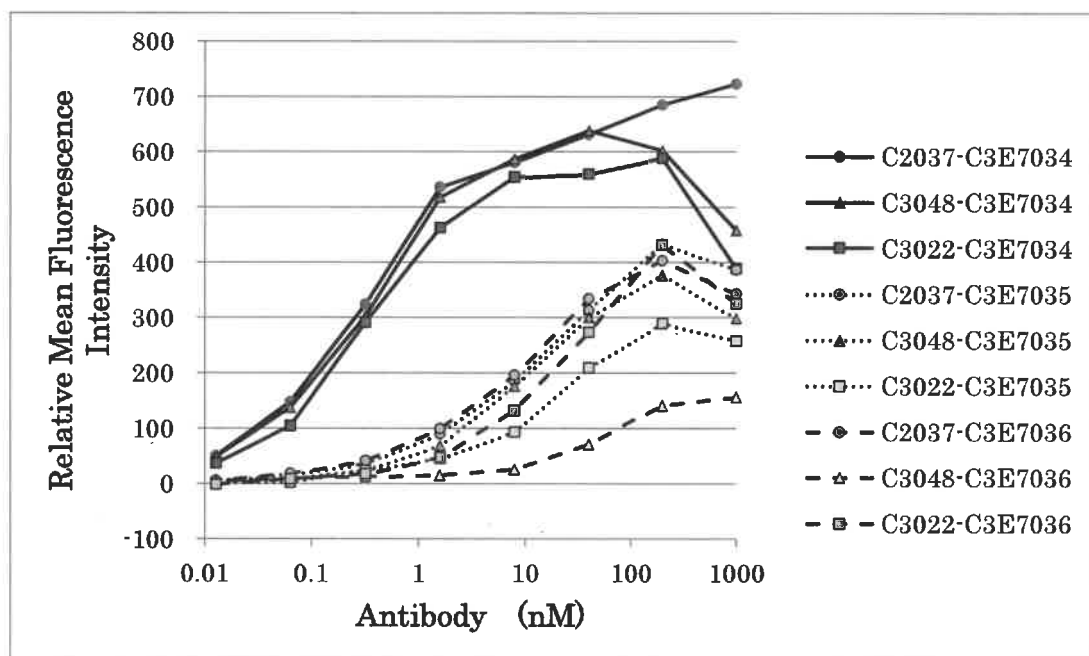
[Figure 196]



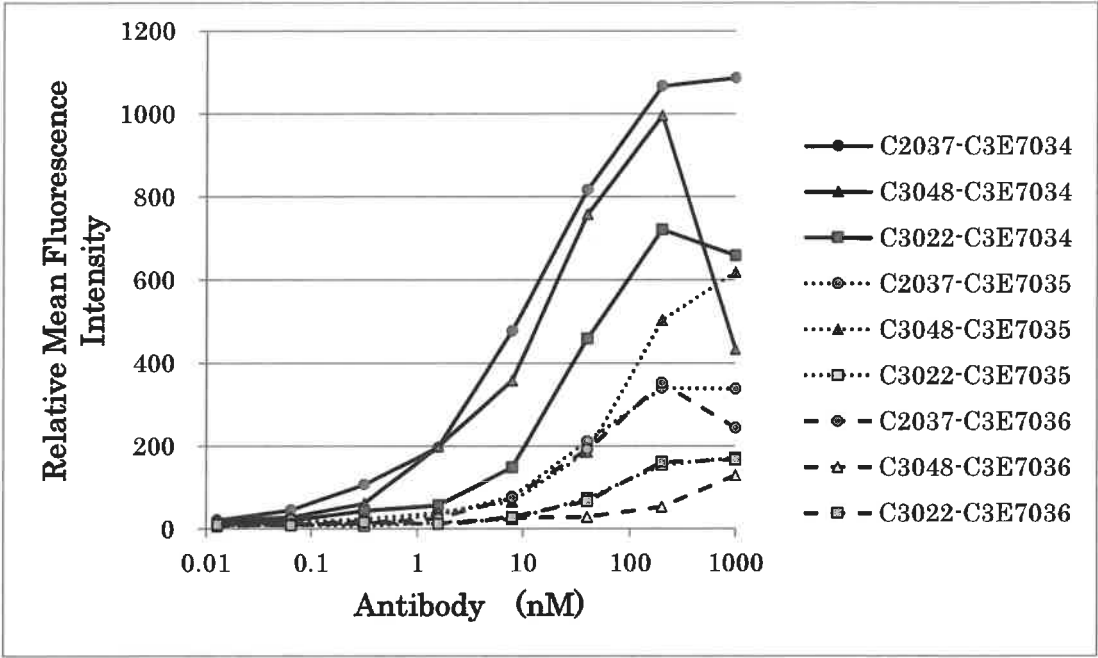
[Figure 197]



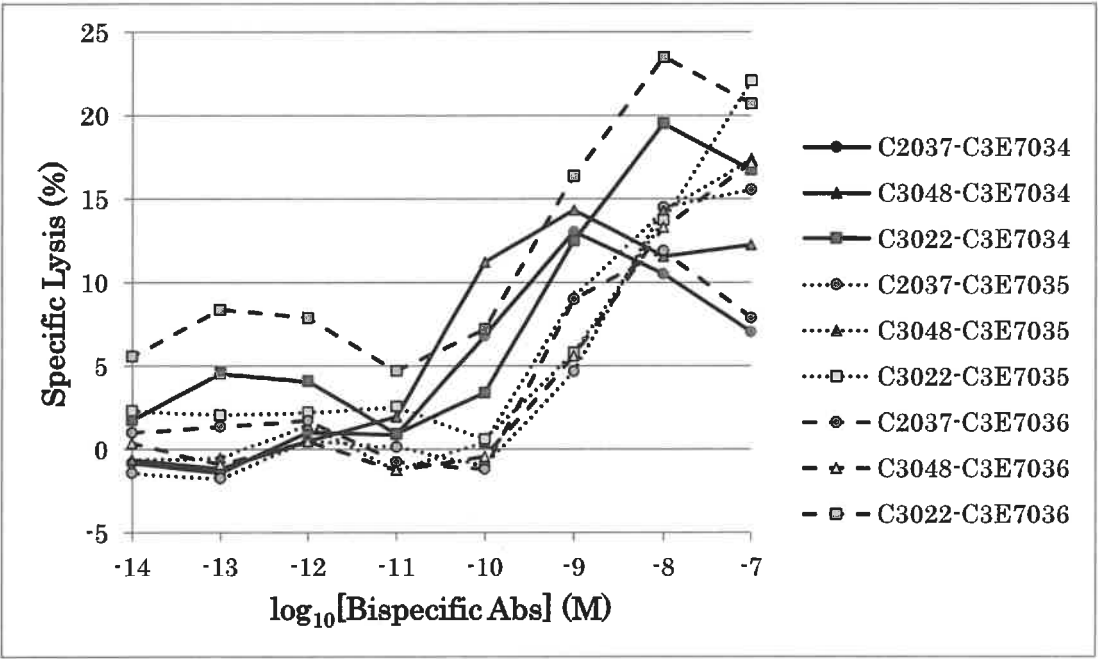
[Figure 198]



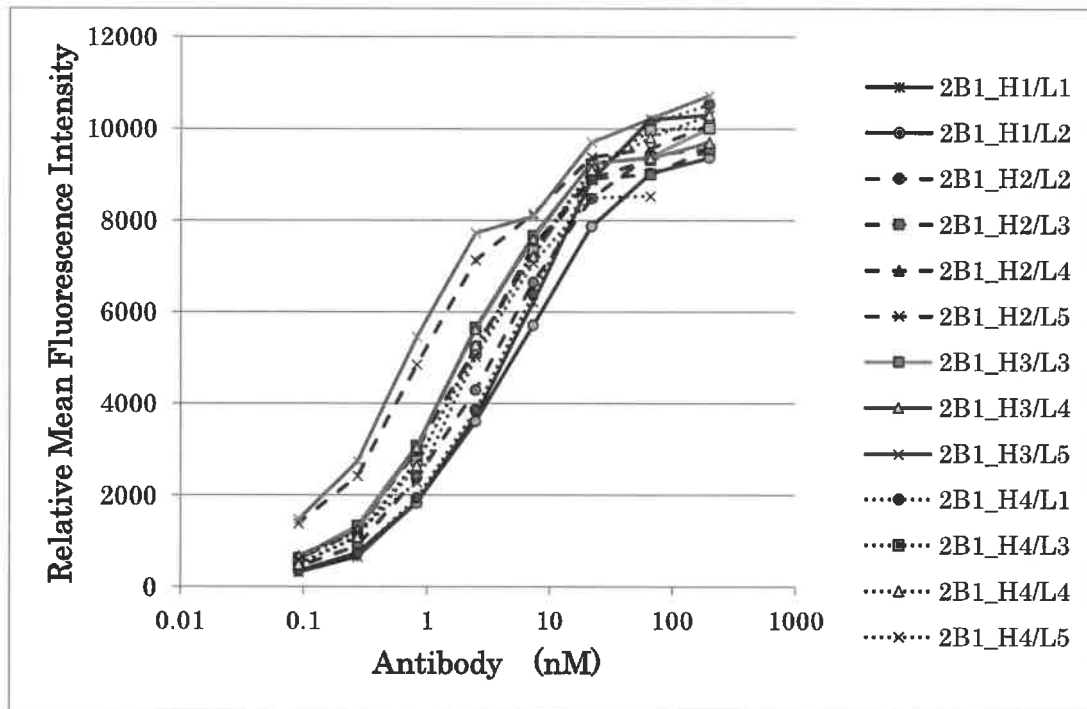
[Figure 199]



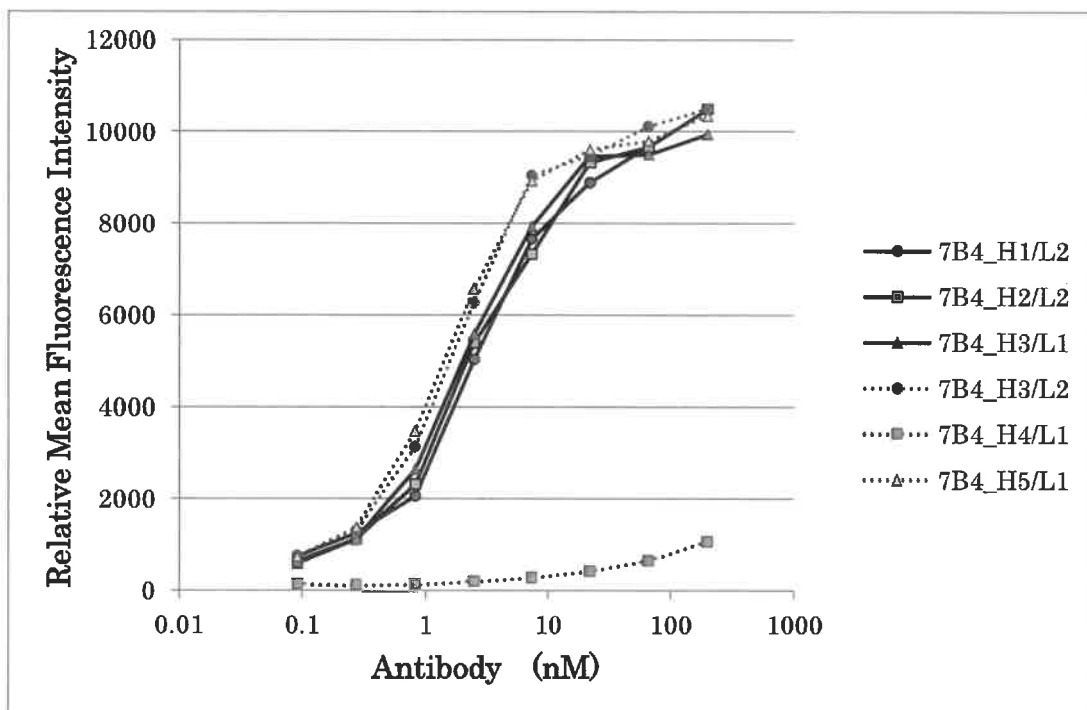
[Figure 200]



[Figure 201]



[Figure 202]



[Figure 203]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITNSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRDDKRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 180 of the Sequence Listing)

[Figure 204]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITNSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGMAQAVLTQPSVSGVPGQRTISCKRNTGNIGSNYVNWYQQLP
GTAPKLLIYRDDKRPSGVPDRFSGSKSGTSASLAITGFQAEDEADYYCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 181 of the Sequence Listing)

[Figure 205]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITNSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPSVSGVPGQRTISCTGNTGNIGSNYVNWYQQLPGT
APKLLIYRDDKRPSGVPDRFSGSKSGTSASLAITGFQAEDEADYYCQSYSSGFIFGGGT
KLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 182 of the Sequence Listing)

[Figure 206]

GVTFNYYG

(SEQ ID NO: 183 of the Sequence Listing)

[Figure 207]

ITNSGGRI

(SEQ ID NO: 184 of the Sequence Listing)

[Figure 208]

TLDGRDGWVAY

(SEQ ID NO: 185 of the Sequence Listing)

[Figure 209]

TGNIGSNY

(SEQ ID NO: 186 of the Sequence Listing)

[Figure 210]

RDD

(SEQ ID NO: 187 of the Sequence Listing)

[Figure 211]

QSYSSGFI

(SEQ ID NO: 188 of the Sequence Listing)

[Figure 212]

MQSGTHWRVLGLCLLSVGWVGQDGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILW
QHNDKNIGGDEDDKNIGSDEDHLSLKEFSELEQSGYYVCYPRGSKPEDANFYLYLRARV
CENCMEMDVMSVATIVIVDICITGGLLLL VYYWSKNRKAKAKPVTRGAGAGGRQRGQNK
ERPPVPNPDPYEPPIRKGQRDLYSGLNQRR

(SEQ ID NO: 189 of the Sequence Listing)

[Figure 213]

CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAA
GAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGG
CTTCTGGATACACCTTCACCGGCTACTATATGCAC
TGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTG
GATGGGACGGATCAACCCTAACAGTGGTGGCACA
ACTATGCACAGAAGTTTCAGGGCAGGGTCACCATG
ACCAGGGACACGTCCATCAGCACAGCCTACATGGA
GCTGAGCGGGCTGAGATCTGACGACACGGCCGTTT
ATTACTGTAAGAGTGGTAGTGTAAGGCCTCCCTGG
GGCCAGGGAACCCTGGTCACCGTCTCCTCA

(SEQ ID NO: 190 of the Sequence Listing)

[Figure 214]

QVQLVQSGAEVKKPGASVKVSCKASGYTFTGYMH
WVRQAPGQGLEWMGRINPNSGGTNYAQKFQGRVTM
TRDTSISTAYMELSGLRSDDTAVYYCKSGSVRPPW
GQGTLVTVSS

(SEQ ID NO: 191 of the Sequence Listing)

[Figure 215]

CAGCCTGTGCTGACTCAGCCACCCTCAGCGTCTGG
GACCCCCCGGGCAGAGGGTCACCATCTCTTGTTCTG
GAAGCAGGTCCAACATCGGAGGTAATATTGTAAGT
TGGTACCAGCAGTTCCCAGGAACGGCCCCCAGACT
CCTCACTTATCGGAATACTCGGCGGGCCCTCAGGGG
TCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACC
TCAGCCTCCCTGGCCATCAGTGGCCTCCAGTCTGA
GGATGAGGCTGACTATTATTGTGCAGCATGGGATG
ACAGCCTGGGGGGGTGTTGTGTTTCGGAGGAGGCACC
AAGCTGACCGTCCTA

(SEQ ID NO: 192 of the Sequence Listing)

[Figure 216]

QPVLTPPPSASGTPGQRVTISCSGSRSNIGGNIVS
WYQQFPGTAPRLLTYRNTRRPSGVPDRFSGSKSGT
SASLAISGLQSEDEADYYCAAWDDSLGGVVFGGGT
KLTVL

(SEQ ID NO: 193 of the Sequence Listing)

[Figure 217]

CAGGTTTCAGCTGGTTCAGTCTGGCGCCGAAGTGAA
GAAACCTGGCAGCAGCGTGAAGGTGTCCTGCAAAG
CTTCTGGCGGGCACCCCTGAGCAGATACGCCATCTCT
TGGGTTCGACAGGCCCCCTGGACAAGGCCTGGAATG
GATGGGAGGCATCATCCCCATCTTCGGCACCGCCA
ATTACGCCCAGAAATTCCAGGGCAGAGTGACCATC
ACCGCCGACCAGTCTACCAGAACCGCCTACATGGA
GCTGGGCAGACTGAGAAGCGAGGACACCGCCGTGT
ACTACTGTGCTCTGGAAGGCTTCCGGGACAGCCTG
AAGAGAAACCCCGTGGACATCTGGGGCAGAGGCAC
CATGGTTACAGTGTCTAGC

(SEQ ID NO: 194 of the Sequence Listing)

[Figure 218]

QVQLVQSGAEVKKPGSSVKVSCKASGGTLSRYAIS
WVRQAPGQGLEWMGGIIPIFGTANYAQKFQGRVTI
TADQSTRRTAYMELGRLRSEDTAVYYCALEGFRDSL
KRNPVDIWGRGTMVTVSS

(SEQ ID NO: 195 of the Sequence Listing)

[Figure 219]

CAATCTGTGGTCACACAGCCTCCAAGCGTGTCAGC
TGCCCCAGGCCAGAAAGTGACAATCCCTTGTAGCG
GCGGCACCAACCAACATCGGCAGCAATTACGTGTCC
TGGTATCAGCAGCTGCCCGGAACAGCCCCTAAGTT
CCTGATGTACGAGAACAAACAAGCGGCCAGCGGCA
TCCCCGATAGATTTTCTGGCAGCAAGAGCGGCACC
AGCGCCACACTGGCTATTACAGGACTGGAGACAGA
GGACGAGGCCACCTACTACTGTAGCACCTGGGACA
GCAGCCTGAACGCCGGACTTTTTTGGAGGCGGCACA
GAGCTGACAGTTCTT

(SEQ ID NO: 196 of the Sequence Listing)

[Figure 220]

QSVVTQPPSVSAAPGQKVTIPC SGGTTNIGSNYVS
WYQQLPGTAPKFLMYENNKRP SGIPDRFSGSKSGT
SATLAITGLETEDEATYYCSTWDSSLNAGLFGGGT
ELTVL

(SEQ ID NO: 197 of the Sequence Listing)

[Figure 221]

Name of clone	Dissociation rate constants (M)
C3022	9.5×10^{-8}
E1018	3.2×10^{-12}
C3048	3.6×10^{-10}
D1012	2.2×10^{-10}

[Figure 222]

ATGAGGCCTACCTGGGCCTGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGCCAGGTGCAGCTGGTGGAGTCCGGCGGGCGGCCTGGTGA
AGCCCAGCCAGACCCTGTCCCTGACCTGCACATTCAGCGGCTTTTCCCTGAAC
ACATACGATATGGGAGTGGGATGGATCAGACAGCCACCTGGCAAGGGCCTGGA
GTGGATCGGCAACATCTGGTGGGACGATGACAAGTACTATAATCCCTCTCTGA
AGAGCAGAGTGACCATCTCTAAGGATACAAGCAACAATCAGGCCTCCCTGAAG
CTGAGCTCCGTGACCGCCGCGACACAGCCGTGTACTATTGCGCCAGGATCGA
GACAGTGCGGGTGAGCCGGAAGGGATTTCGCACACTGGGGACAGGGCACCCCTGG
TGACAGTGTCTAGCGCTAGCACAAAGGGACCTAGCGTGTTCCCACTGGCCCCCT
TCCTCTAAGTCCACCTCTGGAGGAACAGCCGCCCTGGGCTGTAGGGTGAAGGA
CTATTTCCCTGAGCCAGTGACCGTGTCTGGAACCTCTGGGGCCCTGACCAGCG
GAGTGCACACATTTCCCTGCCGTGCTGCAGAGCTCCGGCCTGTACAGCCTGTCT
AGCGTGGTGACCGTGCCATCCTCTAGCCTGGGCACCCAGACATATATCTGCAA
CGTGAATCACAAGCCAAGCAATACAAAGGTGCACAAGCGGGTGGAGCCCAAGT
CCTGTGACAAGACCCACACATGCCACCCCTGTCCGGCGCCAGAGGCTGCAGGA
GGACCAAGCGTGTTCCCTGTTTCCACCCAAGCCTAAAGACACACTGATGATTTC
CCGAACCCCCGAAGTCACATGCGTGGTTCGTGTCTGTGAGTCACGAGGACCCTG
AAGTCAAGTTCAACTGGTACGTGGATGGCGTCGAGGTGCATAATGCCAAGACT
AAACCTAGGGAGGAACAGTACAACTCAACCTATCGCGTCGTGAGCGTCCTGAC
AGTGCTGCACCAGGATTGGCTGAACGGCAAAGAATATAAGTGCAAAGTGAGCA
ATAAGGCCCTGCCCGCTCCTATCGAGAAAACCATTTCCAAGGCTAAAGGGCAG
CCTCGCGAACCACAGGTCTACGTGCTGCCCCCTAGCCGCGACGAACTGACTAA
AAATCAGGTCTCTCTGCTGTGTCTGGTCAAAGGATTCTACCCTTCCGACATCG
CCGTGGAGTGGGAAAGTAACGGCCAGCCGAGAACAATTACCTGACCTGGCCC
CCTGTGCTGGACTCTGATGGGAGTTTCTTTCTGTATTCAAAGCTGACAGTCGA
TAAAAGCCGGTGGCAGCAGGGCAATGTGTTTCAAGCTGCTCCGTCATGCACGAAG
CACTGCACAACCATTACACTCAGAAGTCCCTGTCCCTGTCACCTGGC

(SEQ ID NO: 198 of the Sequence Listing)

[Figure 223]

MRPTWAWWLFLVLLLALWAPARGQVQLVESGGGLV
KPSQTLSLTCTFSGFSLNTYDMGVGWIRQPPGKGL
EWIGNIWWDDDKYYNPSLKSRVTISKDTSNNQASL
KLSSVTAADTAVYYCARIETVRVSRKGF AHWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAA LGCRV
KDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYS
LSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRVE
PKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKDTL
MISRTPEVTCVTVSVSHEDPEVKFNWYVDGVEVHN
AKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC
KVSNAKALPAPIEKTISKAKGQPREPQVYVLPISR
ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNY
LTWPPVLDSDGSFFFLYSKLTVDKSRWQQGNVFS
CS
VMHEALHNHYTQKSLSLSPG

(SEQ ID NO: 199 of the Sequence Listing)

[Figure 224]

ATGAGGCCTACCTGGGCCTGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGCCAGGTGCAGCTGGTGGAGTCCGGCGGGCGGCCTGGTGA
AGCCCAGCCAGACCCTGTCCCTGACCTGCACATTCAGCGGCTTTTCCCTGAAC
ACATACGATATGGGAGTGGGATGGATCAGACAGCCACCTGGCAAGGGCCTGGA
GTGGATCGGCAACATCTGGTGGGACGATGACAAGTACTATAATCCCTCTCTGA
AGAGCAGAGTGACCATCTCTAAGGATACAAGCAACAATCAGGCCTCCCTGAAG
CTGAGCTCCGTGACCGCCGCGACACAGCCGTGTACTATTGCGCCAGGATCGA
GACAGTGCGGGTGAGCCGGAAGGGATTTCGCACACTGGGGACAGGGCACCCCTGG
TGACAGTGTCTAGCGCTAGCACCAAGGGACCTAGCGTGTTCCAGAGGCCCT
TCCTCTAAGTCCACCTCTGGAGGAACAGCCGCCCTGGGCTGTCTGGTGACCGA
CTATTTCCCTGAGCCAGTGACAGTGTCTGGAACCTCTGGGGCCCTGACCAGCG
GAGTGCACACATTTCCCTGCCGTGCTGGAGAGCTCCGGCCTGTACAGCCTGTCT
AGCGTGGTGACCGTGCCATCCTCTAGCCTGGGCACCCAGACATATATCTGCAA
CGTGAATCACAAGCCAAGCAATACAAAGGTGACAAAGAGAGTGGAGCCCAAGT
CCTGTGACAAGACCCACACATGCCCACCCTGTCCGGCGCCAGAGGCTGCAGGA
GGACCAAGCGTGTTCCCTGTTTCCACCCAAGCCTAAAGACACACTGATGATTTC
CCGAACCCCCGAAGTCACATGCGTGGTTCGTGTCTGTGAGTCACGAGGACCCTG
AAGTCAAGTTCAACTGGTACGTGGATGGCGTCGAGGTGCATAATGCCAAGACT
AAACCTAGGGAGGAACAGTACAACCTAACCTATCGCGTCGTGAGCGTCCTGAC
AGTGCTGCACCAGGATTGGCTGAACGGCAAAGAATATAAGTGCAAAGTGAGCA
ATAAGGCCCTGCCCGCTCCTATCGAGAAAACCATTTCCAAGGCTAAAGGGCAG
CCTCGCGAACCACAGGTCTACGTGCTGCCCCCTAGCCGCGACGAACTGACTAA
AAATCAGGTCTCTCTGCTGTGTCTGGTCAAAGGATTCTACCCTTCCGACATCG
CCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAACAATTACCTGACCTGGCCC
CCTGTGCTGGACTCTGATGGGAGTTTCTTTCTGTATTCAAAGCTGACAGTCGA
TAAAAGCCGGTGGCAGCAGGGCAATGTGTTTCAGCTGCTCCGTCATGCACGAAG
CACTGCACAACCATTACACTCAGAAGTCCCTGTCCCTGTACCTGGC

(SEQ ID NO: 200 of the Sequence Listing)

[Figure 225]

MRPTWAWWLFLVLLALWAPARGQVQLVESGGGLV
KPSQTLSLTCTFSGFSLNTYDMGVGWIRQPPGKGL
EWIGNIWWDDDKYYNPSLKSRVTISKDTSNNQASL
KLSSVTAADTAVYYCARIETVRVSRKGF AHWGQGT
LVTVSSASTKGPSVFPEAPSSKSTSGGTAALGCLV
TDYFPEPVTVSWNSGALTSGVHTFPAVLESSGLYS
LSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRVE
PKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKDTL
MISRTPEVTCVTVSVSHEDPEVKFNWYVDGVEVHN
AKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC
KVSNAKALPAPIEKTISKAKGQPREPQVYVLPISR
ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNY
LTWPPVLDSDGSFFFLYSKLTVDKSRWQQGNVFS
CS
VMHEALHNHYTQKSLSLSPG

(SEQ ID NO: 201 of the Sequence Listing)

[Figure 226]

ATGCGGGCCACCTGGGCATGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGGGCCACCAGAATGACACAGTCTCCAAGCTCCTTTTCCG
CCTCTACAGGCGACAGAGTGACCATCACATGCAAGGCCAGCCAGTCCGTGGGC
ATCAACGTGGATTGGTACCAGCAGAAGCCTGGCAAGTCCCCCAAGCTGCTGAT
CTATGGGGCCAGCAATAGGCACACCGGCGTGCTTCTCGCTTCTCTGGCAGCG
GCTTCGGCAGGGACTTTACCCTGACAATCTCTAGCCTGCAGAGCGAGGATTTC
GCCACCTACTATTGTCTGCAGCACGGCTCCATCCCCCTACCTTTGGCGGAGG
CACAAAGGTGGAGATCAAGAGAACAGTGGCGGGCGCCAGTGTCTTCATTTTTC
CCCCTAGCGACGAAGAGCTGAAGTCTGGGACAGCCAGTGTGGACTGTTGGCTG
AACAACTTCTACCCTAGAGAGGCTAAAGTGCAGTGGAAAGGTCGATAACGCACT
GCAGTCCGGAAATTCTCAGGAGAGTGTGACTGAACAGGACTCAAAAGATAGCA
CCTATTCCCTGTCAAGCACACTGACTCTGAGCAAGGCCGACTACGAGAAGCAT
AAAGTGTATGCTTGTGAAGTCACCCACCAGGGGCTGAGTTCACCAGTCACAAA
ATCATTCAACAGAGGGGAGTG

(SEQ ID NO: 202 of the Sequence Listing)

[Figure 227]

MRPTWAWWLFLVLLALWAPARGATRMTQSPSSF
ASTGDRVITCKASQSVGINVDWYQQKPGKSPKLL
IYGASNRHTGVPSRFSGSGFGRDFTLTISSLQSED
FATYYCLQHGSIPPTFGGGTKVEIKRTVAAPSVFI
FPPSDEELKSGTASVDCWLNNFYPREAKVQWKVDN
ALQSGNSQESVTEQDSKDYSLSSSTLTLSKADYE
KHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 203 of the Sequence Listing)

[Figure 228]

ATGCGGCCCCACCTGGGCATGGTGGCTGTTCTGCTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGGGCCACCAGAATGACACAGTCTCCAAGCTCCTTTTCCG
CCTCTACAGGCGACAGAGTGACCATCACATGCAAGGCCAGCCAGTCCGTGGGC
ATCAACGTGGATTGGTACCAGCAGAAGCCTGGCAAGTCCCCCAAGCTGCTGAT
CTATGGGGCCAGCAATAGGCACACCGGCGTGCTTCTCGCTTCTCTGGCAGCG
GCTTCGGCAGGGACTTTACCCTGACAATCTCTAGCCTGCAGAGCGAGGATTTC
GCCACCTACTATTGTCTGCAGCACGGCTCCATCCCCCTACCTTTGGCGGAGG
CACAAAGGTGGAGATCAAGAGAACAGTGGCGGCGCCAGTGTCTTCATTTTTC
CCCCTAGCGACGAACAGCTGAAGTCTGGGACAGCCAGAGTGGGCTGTTGGCTG
AACAACTTCTACCCTAGAGAGGCTAAAGTGCAGTGGAAGGTCGATAACGCACT
GCAGTCCGGAAATTCTCAGGAGAGTGTGACTGAACAGGACTCAAAAGATAGCA
CCTATTCCCTGAGAAGCACACTGACTCTGAGCAAGGCCGACTACGAGAAGCAT
AAAGTGTATGCTTGTGAAGTCACCCACCAGGGGCTGAGTTCACCAGTCACAAA
ATCATTCAACAGAGGGGAGTG C

(SEQ ID NO: 204 of the Sequence Listing)

[Figure 229]

MRPTWAWWLFLVLLALWAPARGATRMTQSPSSF
ASTGDRVITCKASQSVGINVDWYQQKPGKSPKLL
IYGASNRHTGVPSRFSGSGFGRDFTLTISSLQSED
FATYYCLQHGSIPPTFGGGTKVEIKRTVAAPSVFI
FPPSDEQLKSGTARVGCWLNNFYPREAKVQWKVDN
ALQSGNSQESVTEQDSKDYSLRSTLTLSKADYE
KHKVYACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 205 of the Sequence Listing)

[Figure 230]

ATGCGCCCCACCTGGGCATGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCTGCCCGGGGCGGCGAGGTGCAGCTGGTGGAGAGCGGCGGCGGCCTGG
TGCAGCCCGGCGGCTCTCTGCGGCTGAGCTGCGCCGCCTCCGGCGTGACATTC
AACTACTATGGCATGTCCTGGATCAGACAGGCCCCAGGCAAGGGCCTGGAGTG
GGTGGCCTCTATCACCAATAGCGGCGGCGAGGATCTACTATCCCGACTCCGTGA
AGGGCCGGTTTACAATCTCTAGAGAGAACACCCAGAAGACACTGTACCTGCAG
ATGAACAGCCTGCGGGGCGAGGATACCGCCGTGTACTATTGTACACTGGACGG
CAGAGACGGATGGGTGGCATATTGGGGACAGGGCACCCCTGGTGACAGTGAGCT
CCGCTAGCACTAAAGGCCCAAGCGTGTTTCCTCTGGCTCCAAGCTCAAAAAGC
ACTTCCGGGGGGGACCGCATGGCTGGGATGTGATGTGACCGACTACTTCCCCGA
GCCTGTGACCGTGTCTGGAACCTCTGGGGCCCTGACCAGCGGAGTGCACACAT
TTCCAGCCGTGCTGCAGAGCTCCGGCCTGTATAGCCTGTCTAGCGTGGTGACA
GTGCCCTCCAGTAGCCTGGGCACTCAGACTTATATCTGTAATGTCAACCACAA
ACCATCAAACACCAAAGTCGACAAGAAAGTGGAGCCCAAGAGCTGTGATAAAA
CTCATACCTGCCACCTTGTCCGGCGCCAGAGGCTGCAGGAGGACCAAGCGTG
TTCCTGTTTTCCACCCAAGCCTAAAGACACACTGATGATTTCCCGAACCCCCGA
AGTCACATGCGTGGTGCTGTCTGTGAGTCACGAGGACCCTGAAGTCAAGTTCA
ACTGGTACGTGGATGGCGTCGAGGTGCATAATGCCAAGACTAAACCTAGGGAG
GAACAGTACAACCTCAACCTATCGCGTCTGTGAGCGTCCTGACAGTGCTGCACCA
GGATTGGCTGAACGGCAAAGAATATAAGTGCAAAGTGAGCAATAAGGCCCTGC
CCGCTCCTATCGAGAAAACCATTTCCAAGGCTAAAGGGCAGCCTCGCGAACCA
CAGGTCTACGTCTACCCCCCATCAAGAGATGAACTGACAAAAAATCAGGTCTC
TCTGACATGCCTGGTCAAAGGATTCTACCCTTCCGACATCGCCGTGGAGTGGG
AAAGTAACGGCCAGCCCGAGAACAATTACAAGACCACACCCCCTGTCCTGGAC
TCTGATGGGAGTTTCGCTCTGGTGTCAAAGCTGACCGTCGATAAAAGCCGGTG
GCAGCAGGGCAATGTGTTTAGCTGCTCCGTCATGCACGAAGCCCTGCACAATC
ACTACACACAGAAGTCCCTGAGCCTGAGCCCTGGC

(SEQ ID NO: 206 of the Sequence Listing)

[Figure 231]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITNSGGRIYYPDsvKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLVTV
SSASTKGPSVFPLAPSSKSTSGGTAWLGCDVTDYF
PEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSV
VTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSC
DKTHTCPPCPAPEAAGGPSVFLFPPKPKDTLMISR
TPEVTCVVVSVSHEDPEVKFNWYVDGVEVHNAKTK
PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSN
KALPAPIEKTISKAKGQPREPQVYVYPPSRDELTK
NQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP
PVLDS DGSFALVSKLTVDKSRWQQGNVFS CSVMHE
ALHNHYTQKSLSLSPG

(SEQ ID NO: 207 of the Sequence Listing)

[Figure 232]

ATGCGGCCTACCTGGGCCTGGTGGCTGTTCTGCTGCTGCTGCTGGCCCTGTG
GGCCCCAGCCAGGGGCAACTTTATGCTGACCCAGCCCCACAGCGTGTCCGAGT
CTCCTGGCAAGACCGTGACAATCTCCTGCAAGCGGAACACAGGCAATATCGGC
TCTAACTACGTGAATTGGTATCAGCAGCACGAGGGCAGCTCCCCAACCACAAT
CATCTACCGGGACGATAAGCGGCCCGACGGCGTGTCTGATAGGTTTCAGCGGCT
CCATCGACCGCTCTAGCAAGTCTGCCAGCCTGACCATCAGCAATCTGAAGACA
GAGGACGAGGCCGATTACTTTTGTCAAGTCCTATTCCTCTGGCTTCATCTTTGG
AGGAGGAACCAAGCTGACAGTGCTGGGCCAGCCCAAGGCGGGCGCCAGCGTGA
CTCTGTTTTCCACCCAGCTCCGAGCAGCTGCAGGCCAATAAGGCTAGACTGGTC
TGTCTGATTTCCGACTTCTACCCCGGGGCTGTGACAGTCGCATGGAAGGCCGA
TTCTAGTCCTGTGAAAGCAGGAGTCGAGACCACAACTCCATCAAAGCAGAGCA
ACAACAAGTACGCAGCCTCAAGCTATCTGTCTCTGACACCTGAACAGTGGAAA
AGCCACCGGTCTTATAGTTGTCAGGTGACTCACGAGGGCTCAACAGTGGAAAA
GACAGTCGCACCCGCAGAATGCTCA

(SEQ ID NO: 208 of the Sequence Listing)

[Figure 233]

MRPTWAWWLFLVLLLALWAPARGNFMLTQPHSVSESPGKTVTISCKRNTGNIG
SNYVNWYQQHEGSSPTTIYRDDKRPDGVSDRFSGSIDRSSKSASLTISNLKT
EDEADYFCQSYSSGFIFGGGTKLTVLGQPKAAPSVTLFPPPSSEQLQANKARLV
CLISDFYPGAVTVAWKADSSPVKAGVETTTPSKQSNNKYAASSYLSLTPEQWK
SHRSYSCQVTHEGSTVEKTVAPAECS

(SEQ ID NO: 209 of the Sequence Listing)

[Figure 234]

ATGCGCCCCACCTGGGCATGGTGGCTGTTCTGCTGGTGCTGCTGCTGGCCCTGTG
GGCCCTGCCCGGGGCGGCGAGGTGCAGCTGGTGGAGAGCGGCGGCGGCCTGG
TGCAGCCCGGCGGCTCTCTGCGGCTGAGCTGCGCCGCCTCCGGCGTGACATTC
AACTACTATGGCATGTCCTGGATCAGACAGGCCCCAGGCAAGGGCCTGGAGTG
GGTGGCCTCTATCACCAATAGCGGCGGCGAGGATCTACTATCCCGACTCCGTGA
AGGGCCGGTTTACAATCTCTAGAGAGAACACCCAGAAGACACTGTACCTGCAG
ATGAACAGCCTGCGGGCCGAGGATACCGCCGTGTACTATTGTACACTGGACGG
CAGAGACGGATGGGTGGCATATTGGGGACAGGGCACCTGGTGACAGTGAGCT
CCGCTAGCACTAAAGGACCAAGCGTGTTTCCACTGGCTCCATCATCCAAAAGC
ACAAGCGGCGGGACTGCCTGGCTGGGCTGTAAGGTGAAGGACTACTTCCCCGA
GCCTGTGACCGTGTCTTGGAACCTCTGGGGCCCTGACCAGCGGAGTGCACACAT
TTCCAGCCGTGCTGCAGAGCTCCGGCCTGTATAGCCTGTCTAGCGTGGTGACA
GTGCCCTCCTCAAGCCTGGGCACTCAGACCTATATTTGTAATGTCAACCATAA
ACCTTCCAACACTAAAGTCGACAAGAAAGTGAGGCCAAGAGCTGTGATAAAA
CTCATACCTGCCCACCTTGTCCGGCGCCAGAGGCTGCAGGAGGACCAAGCGTG
TTCCTGTTTCCACCCAAGCCTAAAGACACACTGATGATTTCCCGAACCCCCGA
AGTCACATGCGTGGTGCTGTCTGTGAGTCACGAGGACCCTGAAGTCAAGTTCA
ACTGGTACGTGGATGGCGTCGAGGTGCATAATGCCAAGACTAAACCTAGGGAG
GAACAGTACAACCTAACCTATCGCGTCGTGAGCGTCCTGACAGTGCTGCACCA
GGATTGGCTGAACGGCAAAGAATATAAGTGCAAAGTGAGCAATAAGGCCCTGC
CCGCTCCTATCGAGAAAACCATTTCCAAGGCTAAAGGGCAGCCTCGCGAACCA
CAGGTCTACGTCTACCCCCCATCAAGAGATGAACTGACAAAAAATCAGGTCTC
TCTGACATGCCTGGTCAAAGGATTCTACCCTTCCGACATCGCCGTGGAGTGGG
AAAGTAACGGCCAGCCCGAGAACAAATTACAAGACCACACCCCTGTCCTGGAC
TCTGATGGGAGTTTCGCTCTGGTGTCAAAGCTGACCGTCGATAAAAGCCGGTG
GCAGCAGGGCAATGTGTTTAGCTGCTCCGTGATGCACGAAGCCCTGCACAATC
ACTACACACAGAAGTCCCTGAGCCTGAGCCCTGGC

(SEQ ID NO: 210 of the Sequence Listing)

[Figure 235]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITNSGGRIYYPDSVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLLVTV
SSASTKGPSVFPLAPSSKSTSGGTAWLGCKVKDYF
PEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSV
VTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSC
DKTHTCPPCPAPEAAGGPSVFLFPPKPKDTLMISR
TPEVTCVVVSVSHEDPEVKFNWYVDGVEVHNAKTK
PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSN
KALPAPIEKTISKAKGQPREPQVYVYPPSRDELTK
NQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP
PVLDS DGSFALVSKLTVDKSRWQQGNVFS CSVMHE
ALHNHYTQKSLSLSPG

(SEQ ID NO: 211 of the Sequence Listing)

[Figure 236]

ATGCGGCCCCACCTGGGCATGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCTGCCAGGGGCAACTTTATGCTGACCCAGCCTAGCTCCGTGAGCGGAG
TGCCAGGACAGAGGGTGACAATCTCCTGCACCGGCAACACAGGCAATATCGGC
TCTAACTACGTGAATTGGTATCAGCAGCTGCCCGGCACAGCCCCTAAGCTGCT
GATCTACCGGGACGATAAGCGGGCCAGCGGAGTGCCAGACAGGTTCTCCGGCT
CTAAGAGCGGCACCTCCGCCTCTCTGGCCATCACAGGCTTTTCAGGCCGAGGAC
GAGGCCGATTACTATTGTCAGTCCTATTCTAGCGGCTTCATCTTTGGAGGAGG
AACCAAGCTGACAGTGCTGGGCCAGCCCAAGGCGGCGCCCAGTGTCACACTGT
TTCCCCCTAGCTCCGAGGAACTGCAGGCTAACACCGCAACACTGGACTGTCTG
ATCAGCGACTTCTACCCTGGAGCTGTGACTGTCGCCTGGAAGGCTGATTCTAG
TCCAGTGAAAGCAGGCGTCGAGACCACAACTCCCTCTAAGCAGAGTAACAACA
AGTACGCAGCCTCAAGCTATCTGTCACTGACCCCAGAACAGTGGAAGAGCCAC
CGGAGCTATTCCCTGCCAGGTCACCTCACGAAGGCTCCACTGTCGAGAAAACCGT
CGCTCCCACCGAATGTTCA

(SEQ ID NO: 212 of the Sequence Listing)

[Figure 237]

MRPTWAWWLFLVLLLALWAPARGNFMLTQPSSVSG
VPGQRVTISCTGNTGNIGSNYVNWYQQLPGTAPKL
LIYRDDKRPSGVPDRFSGSKSGTSASLAITGFQAE
DEADYYCQSYSSGFIFGGGTKLTVLGQPKAAPSVT
LFPPSSEELQANTATLDCLISDFYPGAVTVAWKAD
SSPVKAGVETTTTPSKQSNNKYAASSYLSLTPEQWK
SHRSYSCQVTHEGSTVEKTVAPTECS

(SEQ ID NO: 213 of the Sequence Listing)

[Figure 238]

ATGAGGCCTACCTGGGCCTGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGCCAGGTGCAGCTGGTGGAGTCCGGCGGGCGGCCTGGTGA
AGCCCAGCCAGACCCTGTCCCTGACCTGCACATTCAGCGGCTTTTCCCTGAAC
ACATACGATATGGGAGTGGGATGGATCAGACAGCCACCTGGCAAGGGCCTGGA
GTGGATCGGCAACATCTGGTGGGACGATGACAAGTACTATAATCCCTCTCTGA
AGAGCAGAGTGACCATCTCTAAGGATACAAGCAACAATCAGGCCTCCCTGAAG
CTGAGCTCCGTGACCGCCGCGACACAGCCGTGTACTATTGCGCCAGGATCGA
GACAGTGCGGGTGAGCCGGAAGGGATTTCGCACACTGGGGACAGGGCACCCCTGG
TGACAGTGTCTAGCGCTAGCACAAAGGGACCTAGCGTGTTCCCACTGGCCCT
TCCTCTAAGTCCACCTCTGGAGGAACAGCCGCCCTGGGCTGTCTGGTGAAGGA
CTATTTCCCTGAGCCAGTGACCGTGTCCTGGAACCTCTGGGGCCCTGACCAGCG
GAGTGCACACATTTCTGCGTGCTGCAGAGCTCCGGCCTGTACAGCCTGTCT
AGCGTGGTGACCGTGCCATCCTCTAGCCTGGGCACCCAGACATATATCTGCAA
CGTGAATCACAAGCCAAGCAATACAAAGGTGACAAAGAGAGTGGAGCCCAAGT
CCTGTGACAAGACCCACACATGCCACCCCTGTCCGGCGCCAGAGGCTGCAGGA
GGACCAAGCGTGTTCTGTTTCCACCCAAGCCTAAAGACACACTGATGATTTT
CCGAACCCCCGAAGTCACATGCGTGGTTCGTGTCTGTGAGTCACGAGGACCCTG
AAGTCAAGTTCAACTGGTACGTGGATGGCGTCGAGGTGCATAATGCCAAGACT
AAACCTAGGGAGGAACAGTACAACCTCAACCTATCGCGTCGTGAGCGTCCTGAC
AGTGCTGCACCAGGATTGGCTGAACGGCAAAGAATATAAGTGCAAAGTGAGCA
ATAAGGCCCTGCCCGCTCCTATCGAGAAAACCATTTCCAAGGCTAAAGGGCAG
CCTCGCGAACCACAGGTCTACGTGCTGCCCCCTAGCCGCGACGAACTGACTAA
AAATCAGGTCTCTCTGCTGTGTCTGGTCAAAGGATTCTACCCTTCCGACATCG
CCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAACAATTACCTGACCTGGCCC
CCTGTGCTGGACTCTGATGGGAGTTTCTTTCTGTATTCAAAGCTGACAGTCGA
TAAAAGCCGGTGGCAGCAGGGCAATGTGTTTCAGCTGCTCCGTTCATGCACGAAG
CACTGCACAACCATTACACTCAGAAGTCCCTGTCCCTGTACCTGGC

(SEQ ID NO: 214 of the Sequence Listing)

[Figure 239]

MRPTWAWWLFLVLLALWAPARGQVQLVESGGGLV
KPSQTLSLTCTFSGFSLNTYDMGVGWIRQPPGKGL
EWIGNIWWDDDKYYNP SLKSRVTISKDT SNNQASL
KLSSVTAADTAVYYCARIETVRVSRKGF AHWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLV
KDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYS
LSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRVE
PKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKDTL
MISRTPEVTCVVVSVSHEDPEVKFNWYVDGVEVHN
AKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC
KVS NKALPAPIEKTISKAKGQPREPQVYVLP PSRD
ELTKNQVSL LCLVKGFYPSDIAVEWESNGQPENNY
LTWPPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCS
VMHEALHNHYTQKSLSLSPG

(SEQ ID NO: 215 of the Sequence Listing)

[Figure 240]

ATGCGGGCCACCTGGGCATGGTGGCTGTTCTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGGGCCACCAGAATGACACAGTCTCCAAGCTCCTTTTCCG
CCTCTACAGGCGACAGAGTGACCATCACATGCAAGGCCAGCCAGTCCGTGGGC
ATCAACGTGGATTGGTACCAGCAGAAGCCTGGCAAGTCCCCCAAGCTGCTGAT
CTATGGGGCCAGCAATAGGCACACCGGCGTGCTTCTCGCTTCTCTGGCAGCG
GCTTCGGCAGGGACTTTACCCTGACAATCTCTAGCCTGCAGAGCGAGGATTTT
GCCACCTACTATTGTCTGCAGCACGGCTCCATCCCCCTACCTTTGGCGGAGG
CACAAAGGTGGAGATCAAGAGAACAGTGGCGGCGCCAGTGTCTTCATTTTTC
CCCCTAGCGACGAACAGCTGAAGTCTGGGACAGCCAGTGTGGTCTGTCTGCTG
AACAACTTCTACCCTAGAGAGGCTAAAGTGCAGTGGAAGGTCGATAACGCACT
GCAGTCCGGAAATTCTCAGGAGAGTGTGACTGAACAGGACTCAAAAGATAGCA
CCTATTCCCTGTCAAGCACACTGACTCTGAGCAAGGCCGACTACGAGAAGCAT
AAAGTGTATGCTTGTGAAGTCACCCACCAGGGGCTGAGTTCACCAGTCACAAA
ATCATTCAACAGAGGGGAGTG

(SEQ ID NO: 216 of the Sequence Listing)

[Figure 241]

MRPTWAWWLFLVLLLALWAPARGATRMTQSPSSFSASTGDRVITICKASQSVG
INVDWYQQKPGKSPKLLIYGASNRHTGVPSRFSGSGFGRDFTLTISLQSEDF
ATYYCLQHGSIPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLL
NNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKH
KVVACEVTHQGLSSPVTKSFNRGEC

(SEQ ID NO: 217 of the Sequence Listing)

[Figure 242]

ATGCGCCCTACCTGGGCCTGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCAGCCCGGGGCGGCGAGGTGCAGCTGGTGGAGTCTGGCGGGCGGCCTGG
TGCAGCCCGGCGGCAGCCTGCGGCTGTCCTGCGCCGCCTCTGGCGTGACCTTC
AACTACTATGGCATGAGCTGGATCAGACAGGCCCCCGGCAAGGGCCTGGAGTG
GGTGGCCAGCATCACCAATTCCGGCGGCAGGATCTACTATCCTGACTCTGTGA
AGGGCAGGTTTACAATCAGCCGCGAGAACACCCAGAAGACACTGTACCTGCAG
ATGAACAGCCTGCGGGCCGAGGATACCGCCGTGTACTATTGCACACTGGACGG
CAGAGACGGATGGGTGGCATATTGGGGACAGGGCACCCCTGGTGACAGTGAGCT
CCGGCGGGCGGCGGCTCTGGAGGAGGAGGCAGCGGCGGAGGAGGCTCCAACTTT
ATGCTGACCCAGCCCCACTCTGTGAGCGAGTCCCCTGGCAAGACCGTGACAAT
CTCCTGTAAGAGAAACACAGGCAATATCGGCTCTAACTACGTGAATTGGTATC
AGCAGCACGAGGGCTCTAGCCCAACCACAATCATCTACCGGGACGATAAGCGG
CCCGACGGCGTGAGCGATCGGTTCTCTGGCAGCATCGACAGATCCTCTAAGTC
CGCCTCTCTGACCATCAGCAATCTGAAGACAGAGGACGAGGCCGATTACTTTT
GTCAGTCCTATAGCTCCGGCTTCATCTTTGGCGGCGGCACCAAGCTGACAGTG
CTGGCGGGCCGAGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCC
GGCGCCAGAGGCTGCAGGAGGACCAAGCGTGTTCCCTGTTTCCACCCAAGCCTA
AAGACACACTGATGATTTCCCGAACCCCGAAGTCACATGCGTGGTTCGTGTCT
GTGAGTCACGAGGACCCTGAAGTCAAGTTCAACTGGTACGTGGATGGCGTCGA
GGTGCATAATGCCAAGACTAAACCTAGGGAGGAACAGTACAACCTCAACCTATC
GCGTCGTGAGCGTCCTGACAGTGCTGCACCAGGATTGGCTGAACGGCAAAGAA
TATAAGTGCAAAGTGAGCAATAAGGCCCTGCCCGCTCCTATCGAGAAAACCAT
TTCCAAGGCTAAAGGGCAGCCTCGCGAACCACAGGTCTACGTCTACCCCCCAT
CAAGAGATGAACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGA
TTCTACCCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAA
CAATTACAAGACCACACCCCCTGTCCTGGACTCTGATGGGAGTTTCGCTCTGG
TGTCAAAGCTGACCGTCGATAAAAGCCGGTGGCAGCAGGGCAATGTGTTTAGC
TGCTCCGT CATGCACGAAGCCCTGCACAATCACTACACACAGAAGTCCCTGAG
CCTGAGCCCTGGC

(SEQ ID NO: 218 of the Sequence Listing)

[Figure 243]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITNSGGRIYYPDsvKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLVTV
SSGGGGSGGGGGSGGGGGSNFMLTQPHSVSESPGKTV
TISCKRNTGNIGSNYVNWYQQHEGSSPTTIIRDD
KRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEAD
YFCQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCP
PCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCV
VVSVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPI
EKTISKAKGQPREPQVYVYPPSRDELTKNQVSLTC
LVKGFYPSDIAVEWESNGQPENNYKTTPVLDS DG
SFALVSKLTVDKSRWQQGNVFS CSVMHEALHNHYT
QKSLSLSPG

(SEQ ID NO: 219 of the Sequence Listing)

[Figure 244]

ATGCGGCCACCTGGGCATGGTGGCTGTTCTGCTGCTGCTGCTGGCCCTGTG
GGCCCTGCCAGGGGCGGCGAGGTGCAGCTGGTGGAGAGCGGCGGCGGCCTGG
TGCAGCCTGGAGGCTCTCTGAGGCTGAGCTGCGCAGCCTCCGGCGTGACATTC
AACTACTATGGCATGTCCTGGATCAGACAGGCCCCAGGCAAGGGCCTGGAGTG
GGTGGCCTCTATCACCAATAGCGGCGGCAGAAATCTACTATCCCGACTCCGTGA
AGGGCAGGTTTACAATCAGCCGGGAGAACACCCAGAAGACACTGTACCTGCAG
ATGAATAGCCTGCGGGCCGAGGATACCGCCGTGTACTATTGCACACTGGACGG
CAGAGATGGATGGGTGGCATATTGGGGACAGGGCACCCCTGGTGACAGTGAGCT
CCGGAGGAGGAGGCTCCGGCGGCGGAGGCTCTGGCGGCGGCGGCAGCAACTTT
ATGCTGACCCAGCCTTCTAGCGTGAGCGGAGTGCCAGGACAGAGGGTGACAAT
CTCCTGTACCGGCAACACAGGCAATATCGGCTCTAACTACGTGAATTGGTATC
AGCAGCTGCCAGGAACCGCCCCTAAGCTGCTGATCTACCGGGACGATAAGCGG
CCCTCTGGAGTGCCAGACCGGTTTCAAGCGGCTCCAAGTCTGGCACCAAGCGCCTC
CCTGGCCATCACAGGATTTCAAGCCGAGGACGAGGCGGATTACTATTGTGAGT
CCTATTCTCTGGCTTCATCTTTGGCGGCGGCACCAAGCTGACAGTGCTGGCG
GCCGAGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCCGGCGCC
AGAGGCTGCAGGAGGACCAAGCGTGTTCTGTTTCCACCCAAGCCTAAAGACA
CACTGATGATTTCCCGAACCCCGAAGTCACATGCGTGGTCTGTCTGTGAGT
CACGAGGACCCTGAAGTCAAGTTCAACTGGTACGTGGATGGCGTCGAGGTGCA
TAATGCCAAGACTAAACCTAGGGAGGAACAGTACAACTCAACCTATCGCGTCG
TGAGCGTCCTGACAGTGCTGCACCAGGATTGGCTGAACGGCAAAGAATATAAG
TGCAAAGTGAGCAATAAGGCCCTGCCCGCTCCTATCGAGAAAACCATTTCCAA
GGCTAAAGGGCAGCCTCGCGAACACAGGTCTACGTCTACCCCCCATCAAGAG
ATGAACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGATTCTAC
CCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAACAAATTA
CAAGACCACACCCCCTGTCCTGGACTCTGATGGGAGTTTCGCTCTGGTGTCAA
AGCTGACCGTCGATAAAAGCCGGTGGCAGCAGGGCAATGTGTTTAGCTGCTCC
GTCATGCACGAAGCCCTGCACAATCACTACACACAGAAGTCCCTGAGCCTGAG
CCCTGGC

(SEQ ID NO: 220 of the Sequence Listing)

[Figure 245]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITNSGGRIYYPD SVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGT LVTV
SSGGGGSGGGGGSGGGGGSNFMLTQPSSVSGVPGQRV
TISCTGNTGNIGSNYVNWYQQLPGTAPKLLIYRDD
KRPSGVPDRFSGSKSGTSASLAITGFQAEDEADYY
CQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCPPC
PAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVVV
SVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLT VLVHQLDNLNGKEYKCKVSNKALPAPIEK
TISKAKGQPREPQVYVYPPSRDELTKNQVSLTCLV
KGFYPSDIAVEWESNGQPENNYKTTPVLDS DGSF
ALVSKLTVDKSRWQQGNV FSCSVMHEALHNHYTQK
SLSLSPG

(SEQ ID NO: 221 of the Sequence Listing)

[Figure 246]

ATGCGGCCTACCTGGGCCTGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGGGCCACCCGCATGACACAGTCCCCTAGCTCCTTTTCTG
CCAGCACAGGCGATAGAGTGACCATCACATGCAAGGCCTCCCAGTCTGTGGGC
ATCAACGTGGACTGGTACCAGCAGAAGCCTGGCAAGAGCCCCAAAGCTGCTGAT
CTATGGGGCCAGCAATAGGCACACCGGAGTGCCATCTAGATTTCAGCGGCTCCG
GCTTCGGCAGAGACTTCACCCTGACAATCTCTAGCCTGCAGAGCGAGGACTTC
GCCACATACTATTGCCTGCAGCACGGCTCCATCCCCCTACCTTTGGCGGAGG
CACAAAGGTGGAGATCAAGGGAGGAGGAGGCTCCGGCGGAGGAGGCTCTGGCG
GCGGCGGCAGCGGCGGCGGCCAGGTGCAGCTGGTGGAGTCCGGAGGAGGCCTG
GTGAAGCCAAGCCAGACCCTGTCCCTGACCTGTACATTCTCTGGCTTTAGCCT
GAACACATACGATATGGGAGTGGGATGGATCAGGCAGCCACCAGGCAAGGGCC
TGGAGTGGATCGGCAACATCTGGTGGGACGATGACAAGTACTATAATCCCTCC
CTGAAGTCTCGCGTGACCATCTCTAAGGATACAAGCAACAATCAGGCCTCTCT
GAAGCTGTCCTCTGTGACCGCCGCCGACACAGCCGTGTACTATTGTGCAAGGA
TCGAGACAGTGCGGGTGAGCCGGAAGGGATTTGCACACTGGGGACAGGGCACC
CTGGTGACAGTGAGCTCTGCGGCCGAGCCTAAAAGTAGCGATAAAAACCCATAC
CTGCCCCCCTGCCCCGGCGCCAGAGGCTGCAGGAGGACCAAGCGTGTTCCCTGT
TTCCACCCAAGCCTAAAGACACACTGATGATTTCCCGAACCCCCGAAGTCACA
TGCGTGGTCGTGTCTGTGAGTCACGAGGACCCTGAAGTCAAGTTCAACTGGTA
CGTGGATGGCGTCGAGGTGCATAATGCCAAGACTAAACCTAGGGAGGAACAGT
ACAACCTCAACCTATCGCGTCGTGAGCGTCCTGACAGTGCTGCACCAGGATTGG
CTGAACGGCAAAGAATATAAGTGCAAAGTGAGCAATAAGGCCCTGCCCGCTCC
TATCGAGAAAACCATTTCCAAGGCTAAAGGGCAGCCTCGCGAACCACAGGTCT
ACGTGCTGCCCCCTAGCCGCGACGAACTGACTAAAAATCAGGTCTCTCTGCTG
TGTCTGGTCAAAGGATTCTACCCTTCCGACATCGCCGTGGAGTGGGAAAGTAA
CGGCCAGCCCGAGAACAATTACCTGACCTGGCCCCCTGTGCTGGACTCTGATG
GGAGTTTCTTTCTGTATTCAAAGCTGACAGTCGATAAAAGCCGGTGGCAGCAG
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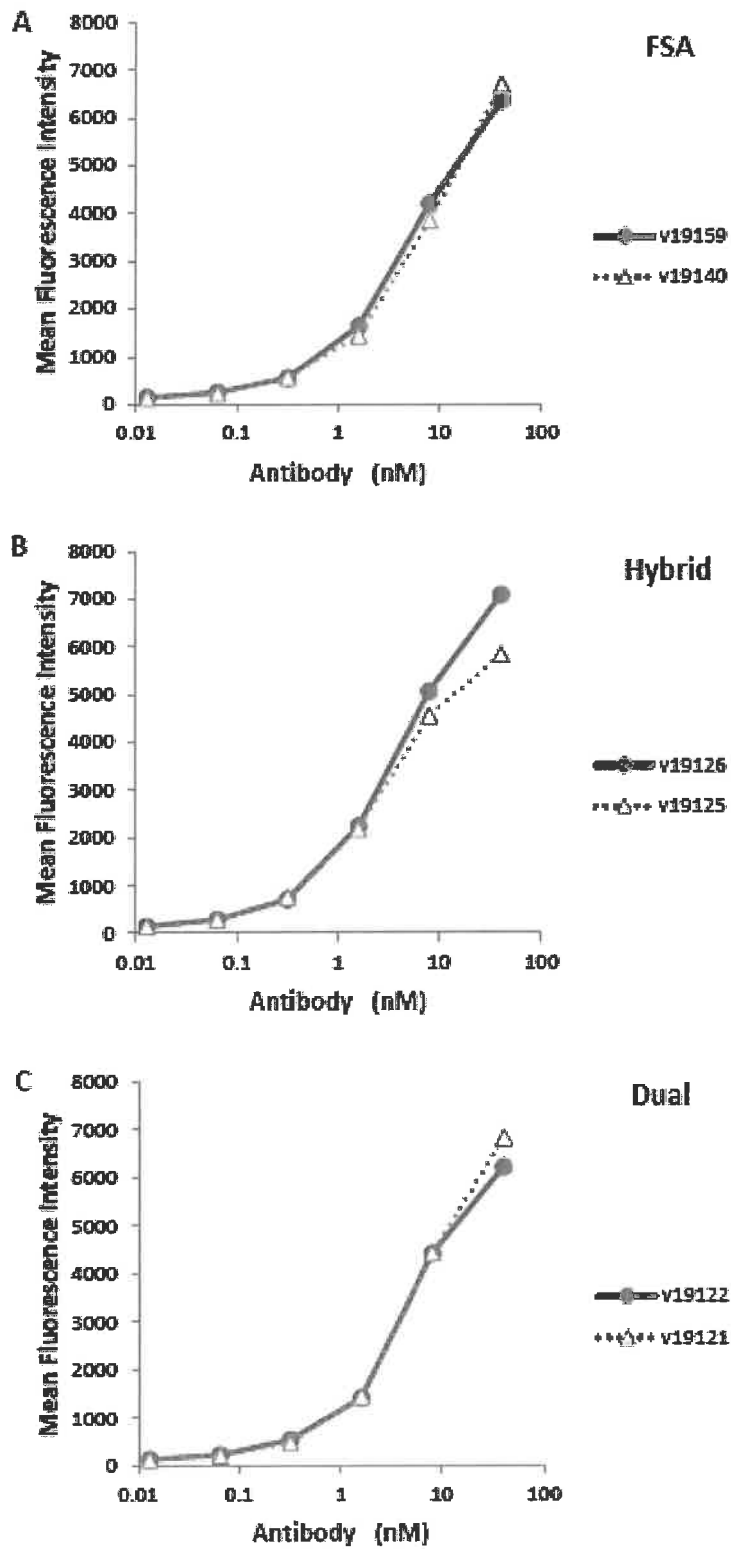
(SEQ ID NO: 222 of the Sequence Listing)

[Figure 247]

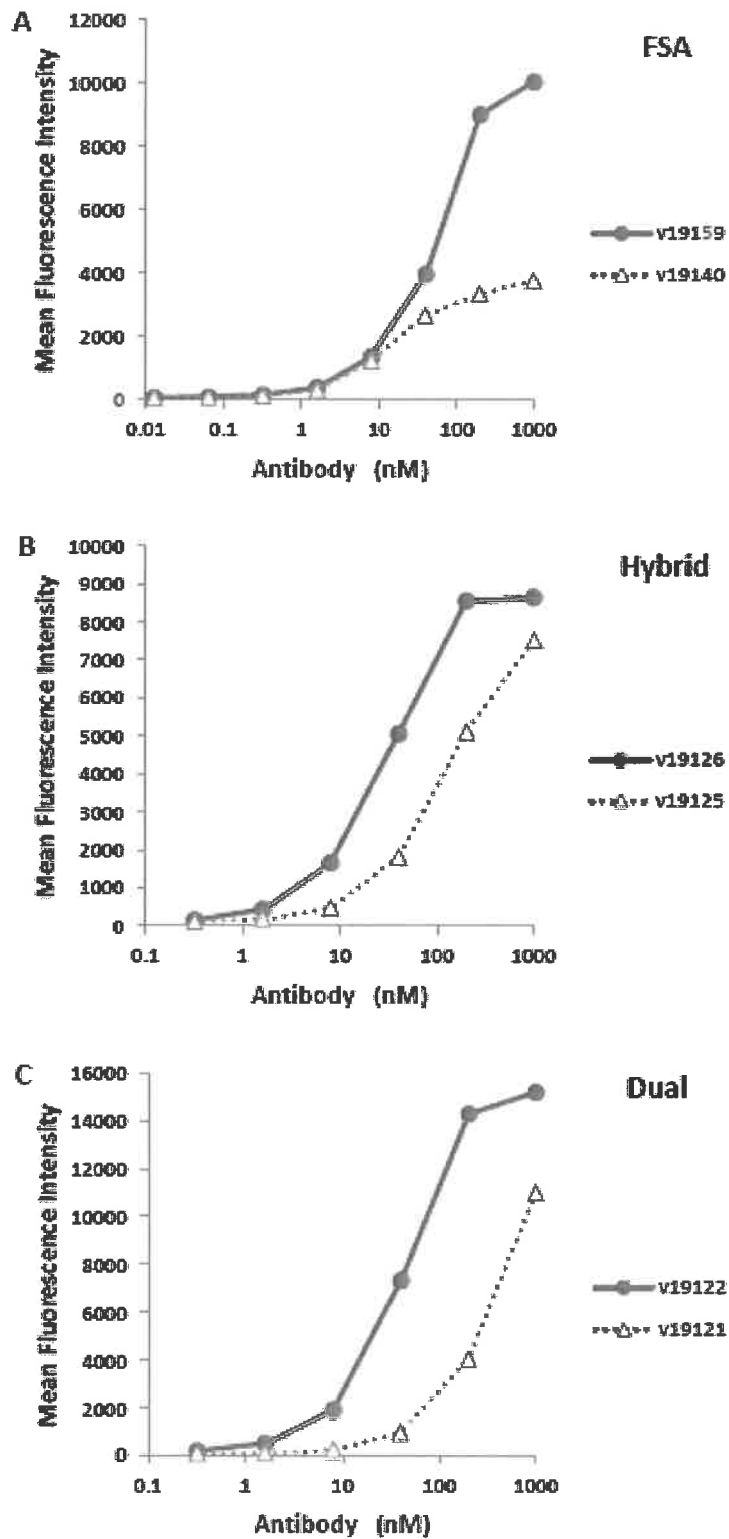
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ASTGDRVTTITCKASQSVGINVDWYQQKPGKSPKLL
IYGASNRHTGVPSRFSGSGFGRDFTLTISLQSED
FATYYCLQHGSIPPTFGGGTKVEIKGGGGSGGGGS
GGGGSGGGQVQLVESGGGLVKPSQTLSTCTFSGF
SLNTYDMGVGWIRQPPGKGLEWIGNIWWDDDKYYN
PSLKSRVTISKDTSNQASLKLSSVTAADTAVYYC
ARIETVRVSRKGF AHWGQGT LVT VSSAAEPKSSDK
THTCPPCPAPEAAGGPSVFLFPPKPKDTLMISRTPE
VTCVVVSVSHEDPEVKFNWYVDGVEVHNAKTKPR
EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKA
LPAPIEKTISKAKGQPREPQVYVLPFSRDELTKNQ
VSLLCCLVKGFYPSDIAVEWESNGQPENNYLTWPPV
LDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEAL
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(SEQ ID NO: 223 of the Sequence Listing)

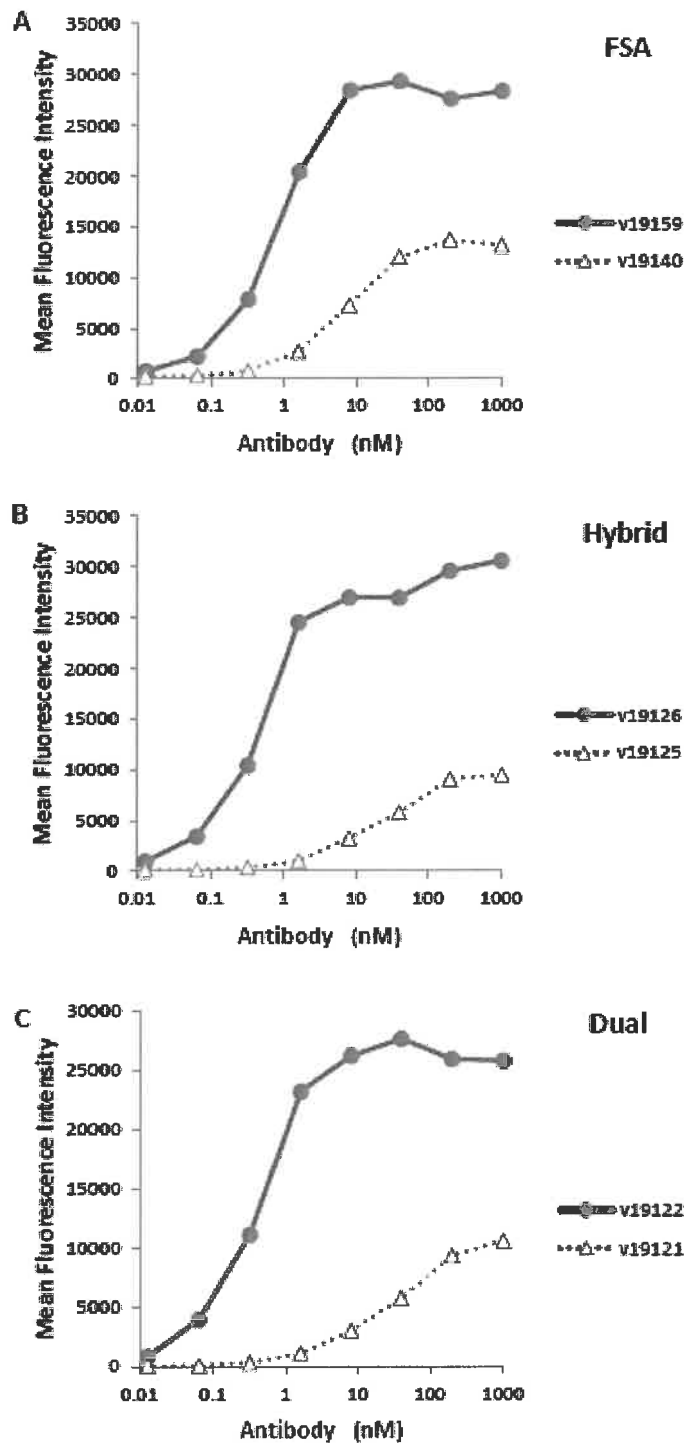
[Figure 248]



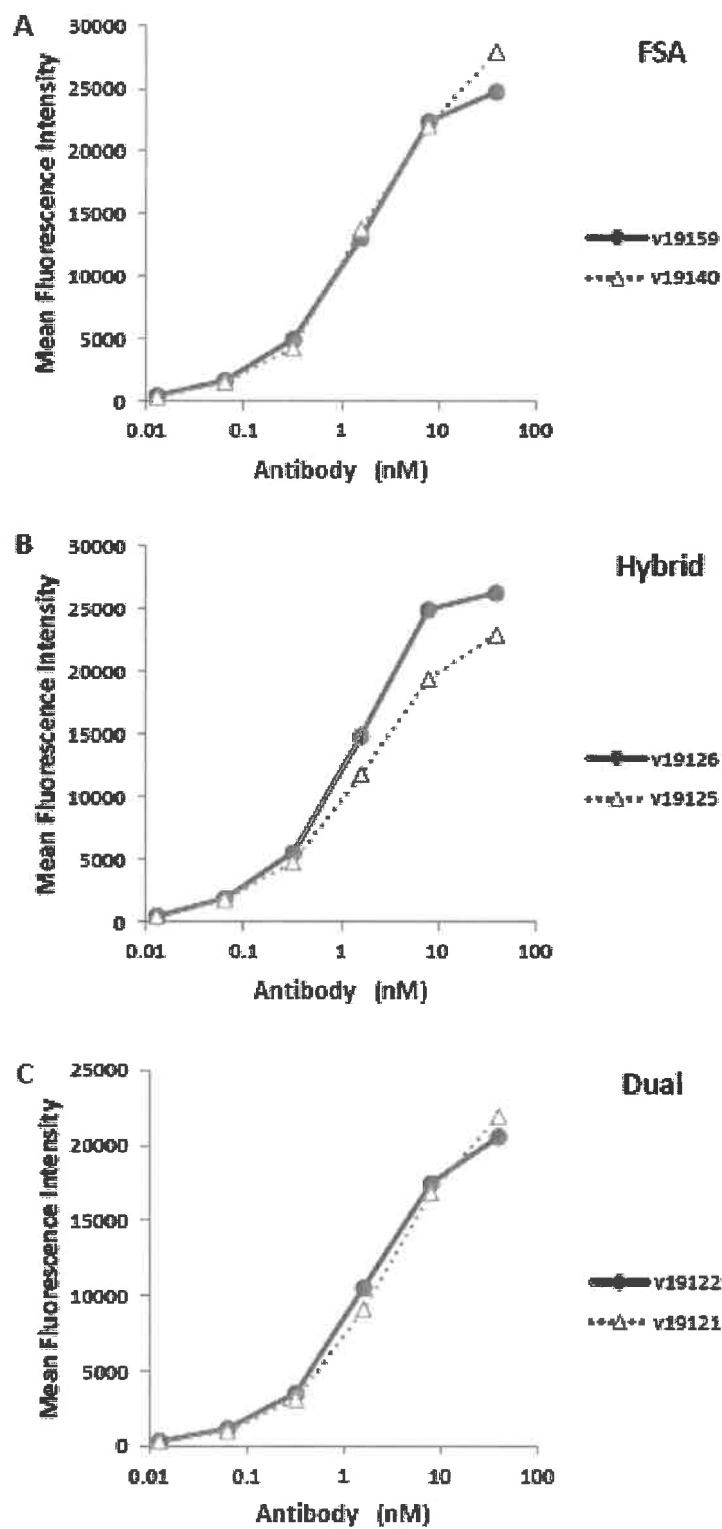
[Figure 249]



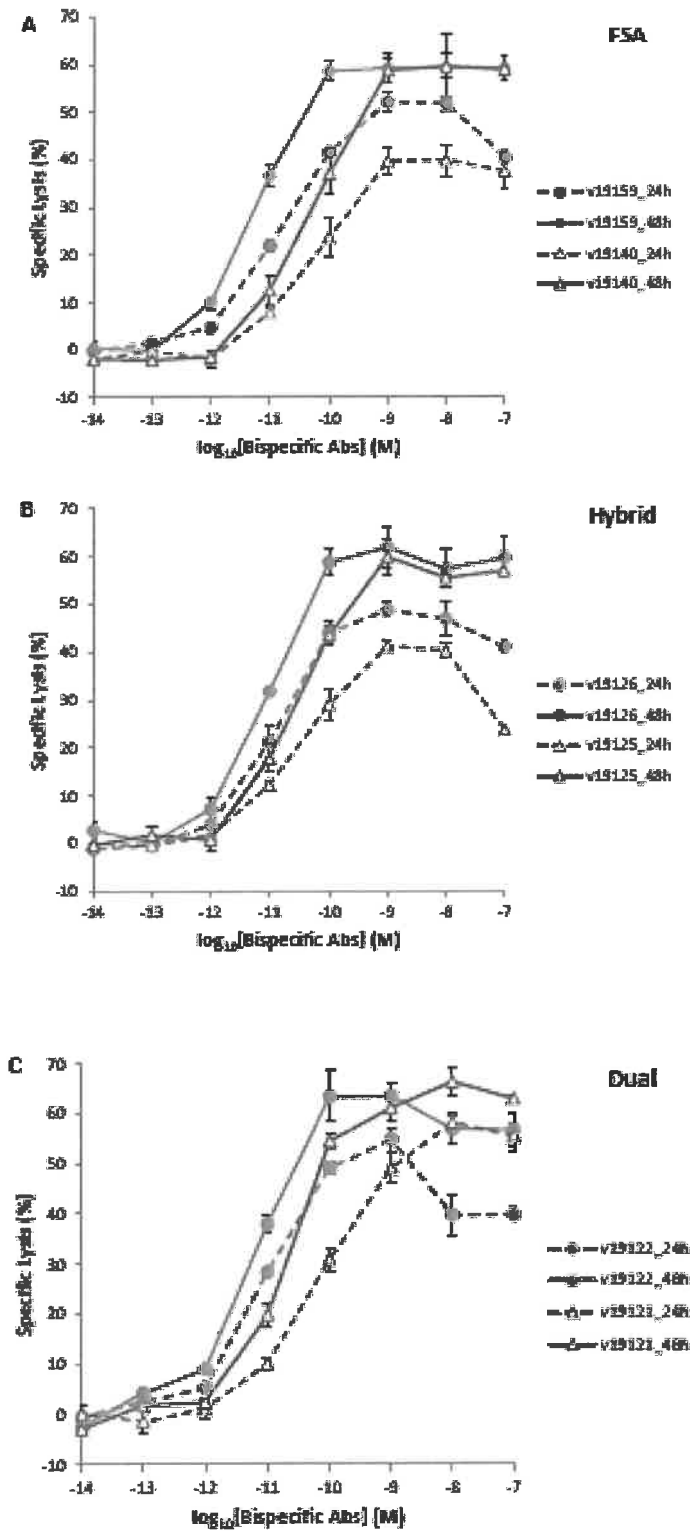
[Figure 250]



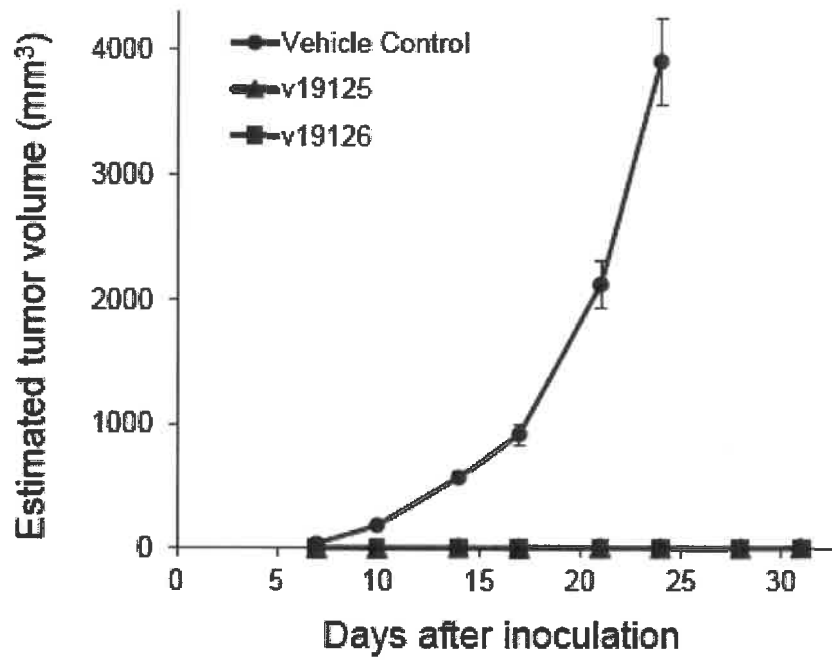
[Figure 251]



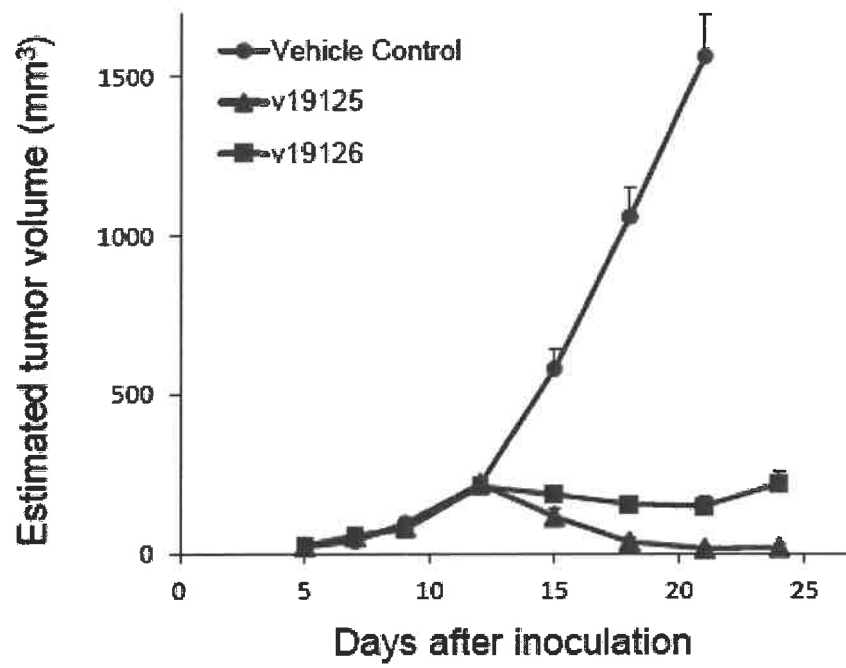
[Figure 252]



[Figure 253]



[Figure 254]



[Figure 255]

ATGCGGCCCCACCTGGGCGATGGTGGCTGTTCCCTGGTGCTGCTGCTGGC
CCTGTGGGCCCCCTGCCAGGGGCGGAGAAAGTGCAGCTGGTGGAATCCG
GGGGGGGGCCTGGTGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCC
GCCTCTGGGGTGACATTTAACTACTATGGCATGTCTTGGATCCGCCA
GGCACCTGGAAAGGGCCTGGAGTGGGTGGCCAGCATCACTAGGTCCG
GCGGGCGAATCTACTATCCCGACAGCGTCAAGGGCAGGTTCAACAATT
TCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAGATGAATAGCCT
GAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGGCAGGG
ATGGGTGGGTGCGCTATTGGGGGCGAGGGAACCCTGGTGACAGTCAGC
TCCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTC
AAACTTTATGCTCACTCAGCCGTCCTCTGTTTCTGGCGTACCTGGCC
AACGGGTGACCATTAGCTGTACGGGTAAATACCGGGAATATCGGGTCT
AACTACGTGAACTGGTATCAGCAGCTTCCAGGGACAGCTCCCAAGTT
GCTGATCTATCGCGACGACAAAAGACCCTCAGGGGTCCCTGACCGAT
TTAGTGGCAGCAAAAGCGGTACTTCCGCTTCCCTGGCGATAACCGGC
TTTCAGGCCGAAGATGAGGCAGACTACTATTGCCAGTCATATTCCAG
CGGCTTCATCTTCGGAGGCGGAACTAAGCTGACAGTGTTGGCGGCCG
AGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCCGGCG
CCAGAGGCTGCAGGAGGACCAAGCGTGTTCCCTGTTTCCACCCAAGCC
TAAAGACACACTGATGATTTCCCGAACCCCGAAGTCACATGCGTGG
TCGTGTCTGTGAGTCACGAGGACCCTGAAGTCAAGTTCAACTGGTAC
GTGGATGGCGTCGAGGTGCATAATGCCAAGACTAAACCTAGGGAGGA
ACAGTACAACCTCAACCTATCGCGTCGTGAGCGTCCTGACAGTGCTGC
ACCAGGATTGGCTGAACGGCAAAGAATATAAGTGCAAAGTGAGCAAT
AAGGCCCTGCCCGCTCCTATCGAGAAAACCATTTCCAAGGCTAAAGG
GCAGCCTCGCGAACCACAGGTCTACGTCTACCCCCCATCAAGAGATG
AACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGATT
TACCCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGA
GAACAATTACAAGACCACACCCCTGTCTGACTCTGATGGGAGTT
TCGCTCTGGTGTCAAAGCTGACCGTCGATAAAAGCCGGTGGCAGCAG
GGCAATGTGTTTAGCTGCTCCGTCATGCACGAAGCCCTGCACAATCA
CTACACACAGAAGTCCCTGAGCCTGAGCCCTGGC

(SEQ ID NO: 224 of the Sequence Listing)

[Figure 256]

MRPTWAWWLFLVLLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITRSGGRIYYPDsvKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLVTV
SSGGGGSGGGGGSGGGGGSNFMLTQPSSVSGVPGQRV
TISCTGNTGNIGSNYVNWYQQLPGTAPKLLIYRDD
KRPSGVPDRFSGSKSGTSASLAITGFQAEDEADYY
CQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCPPC
PAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVTV
SVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEK
TISKAKGQPREPQVYVYPPSRDELTKNQVSLTCLV
KGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSF
ALVSKLTVDKSRWQQGNVFSCSVMEALHNHYTQK
SLSLSPG

(SEQ ID NO: 225 of the Sequence Listing)

[Figure 257]

ATGCGCCCTACCTGGGCCTGGTGGCTGTTCTGCTGGTGCTGCTGGCCCTGTG
GGCCCCAGCCCCGGGGCGGAGAAGTGCAGCTGGTGGAATCCGGGGGGGGCCTGG
TGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTT
AACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTG
GGTGGCCAGCATCACTAGGTCCGGCGGGCGAATCTACTATCCCGACAGCGTCA
AGGGCAGGTTTACAATTTCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAG
ATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGG
CAGGGATGGGTGGGTGCGCTATTGGGGGCGAGGGAACCCCTGGTGACAGTCAGCT
CCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACTTT
ATGCTGACCCAGCCCCACAGTGTGTCAGAGAGCCCTGGCAAGACTGTACCAT
CTCTTGTAAGGAACACCGGAATATTGGCAGTAACTACGTGAATTGGTATC
AGCAGCATGAAGGGTCTAGTCCAACCACAATCATCTACCGGAACGATAAGAGA
CCCGACGGGGTGTCCGATCGATTCTCCGGATCTATCGACCGGTCAAGCAAGAG
TGCTTCACTGACCATTAGCAATCTGAAAACAGAGGACGAAGCAGATTACTTTT
GCCAGTCCTATTCTCTGGCTTCATCTTTGGAGGCGGGACTAAACTGACCGTG
CTGGCGGCCGAGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCC
GGCGCCAGAGGCTGCAGGAGGACCAAGCGTGTTCTGTTTCCACCCAAGCCTA
AAGACACACTGATGATTTCCCGAACCCCGAAGTCACATGCGTGGTTCGTGTCT
GTGAGTCACGAGGACCCTGAAGTCAAGTTCAACTGGTACGTGGATGGCGTCGA
GGTGCATAATGCCAAGACTAAACCTAGGGAGGAACAGTACAACCTCAACCTATC
GCGTCGTGAGCGTCCTGACAGTGCTGCACCAGGATTGGCTGAACGGCAAAGAA
TATAAGTGCAAAGTGAGCAATAAGGCCCTGCCCGCTCCTATCGAGAAAACCAT
TTCCAAGGCTAAAGGGCAGCCTCGCGAACCACAGGTCTACGTCTACCCCCCAT
CAAGAGATGAACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGA
TTCTACCCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAA
CAATTACAAGACCACACCCCCTGTCCTGGACTCTGATGGGAGTTTCGCTCTGG
TGTCAAAGCTGACCGTCGATAAAAGCCGGTGGCAGCAGGGCAATGTGTTTAGC
TGCTCCGTCATGCACGAAGCCCTGCACAATCACTACACACAGAAGTCCCTGAG
CCTGAGCCCTGGC

(SEQ ID NO: 226 of the Sequence Listing)

[Figure 258]

MRPTWAWWLFLVLLLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITRSGGRIYYPDsvKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTlVTV
SSGGGGSGGGGGSGGGGGSNFMLTQPHSVSESPGKTV
TISCKRNTGNIGSNYVNWYQQHEGSSPTTIIRND
KRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEAD
YFCQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCP
PCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCV
VVSVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPI
EKTISKAKGQPREPQVYVYPPSRDELTKNQVSLTC
LVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDG
SFALVSKLTVDKSRWQQGNVFSCSVMEALHNHYT
QKSLSLSPG

(SEQ ID NO: 227 of the Sequence Listing)

[Figure 259]

ATGCGCCCTACCTGGGCCTGGTGGCTGTTCTTGGTGCTGCTGCTGGCCCTGTG
GGCCCCAGCCCGGGGCGGAGAAGTGCAGCTGGTGGAATCCGGGGGGGGCCTGG
TGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTT
AACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTG
GGTGGCCAGCATCACTTCTTCCGGCGGGCGAATCTACTATCCCGACAGCGTCA
AGGGCAGGTTTACAATTTCCCGCGAGAACACACAGAAACTCTGTACCTGCAG
ATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGG
CAGGGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCTGGTGACAGTCAGCT
CCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACCTT
ATGCTGACCCAGCCCCACAGTGTGTCAGAGAGCCCTGGCAAGACTGTCACCAT
CTCTTGTAAGGAACACCGGAAATATTGGCAGTAACTACGTGAATTGGTATC
AGCAGCATGAAGGGTCTAGTCCAACCACAATCATCTACCGGAACGATAAGAGA
CCCGACGGGGTGTCCGATCGATTCTCCGGATCTATCGACCGGTCAAGCAAGAG
TGCTTCACTGACCATTAGCAATCTGAAAACAGAGGACGAAGCAGATTACTTTT
GCCAGTCCTATTCTCTGGCTTCATCTTTGGAGGCGGGACTAACTGACCGTG
CTGGCGGCCGAGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCC
GGCGCCAGAGGCTGCAGGAGGACCAAGCGTGTTCTGTTTCCACCCAAGCCTA
AAGACACACTGATGATTTCCCGAACCCCGAAGTCACATGCGTGGTCGTGTCT
GTGAGTCACGAGGACCCTGAAGTCAAGTTCAACTGGTACGTGGATGGCGTCGA
GGTGCATAATGCCAAGACTAAACCTAGGGAGGAACAGTACAACCTAACCTATC
GCGTCGTGAGCGTCCTGACAGTGCTGCACCAGGATTGGCTGAACGGCAAAGAA
TATAAGTGCAAAGTGAGCAATAAGGCCCTGCCCGCTCCTATCGAGAAAACCAT
TTCCAAGGCTAAAGGGCAGCCTCGCGAACCACAGGTCTACGTCTACCCCCCAT
CAAGAGATGAACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGA
TTCTACCCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAA
CAATTACAAGACCACACCCCTGTCTGGAAGTCTGATGGGAGTTTCGCTCTGG
TGTCAAAGCTGACCGTCGATAAAAGCCGGTGGCAGCAGGGCAATGTGTTTAGC
TGCTCCGTCATGCACGAAGCCCTGCACAATCACTACACACAGAAGTCCCTGAG
CCTGAGCCCTGGC

(SEQ ID NO: 228 of the Sequence Listing)

[Figure 260]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITSSGGRIYYPD SVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLVTV
SSGGGGSGGGGGSGGGGGSNFMLTQPHSVSESPGKTV
TISCKRNTGNIGSNYVNWYQQHEGSSPTTI IYRND
KRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEAD
YFCQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCP
PCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCV
VVSVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPI
EKTISKAKGQPREPQVYVYPPSRDELTKNQVSLTC
LVKGFYPSDIAVEWE\$NGQPENNYKTTPPVLDSDG
SFALVSKLTVDKSRWQQGNVFS CSVMHEALHNHYT
QKSLSLSPG

(SEQ ID NO: 229 of the Sequence Listing)

[Figure 261]

ATGCGGCCACCTGGGCATGGTGGCTGTTCTGCTGCTGCTGGCCCTGTG
GGCCCCTGCCAGGGGCGGAGAAGTGCAGCTGGTGGGAATCCGGGGGGGGCCTGG
TGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTT
AACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTG
GGTGGCCAGCATCACTAGGTCCGGCGGGCGAATCTACTATCCCGACAGCGTCA
AGGGCAGGTTTACAATTTCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAG
ATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGG
CAGGGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCTGGTGACAGTCAGCT
CCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACCTT
ATGCTCACTCAGCCGTCCTCTGTTTTCTGGCGTACCTGGCCAACGGGTGACCAT
TAGCTGTACGGGTAATACCGGGAATATCGGGTCTAACTACGTGAACTGGTATC
AGCAGCTTCCAGGGACAGCTCCCAAGTTGCTGATCTATCGCGACGACAAAAGA
CCCTCAGGGGTCCCTGACCGATTTAGTGGCAGCAAAAGCGGTACTTCCGCTTC
CCTGGCGATAAACCGGCTTTTCAAGGCCGAAGATGAGGCAGACTACTATTGCCAGT
CATATTCCAGCGGCTTCATCTTCGGAGGCGGAACTAAGCTGACAGTGTTGGCG
GCCGAGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCCGGCGCC
AGAGGCTGCAGGAGGACCAAGCGTGTTCTGTTTCCACCCAAGCCTAAAGACA
CACTGATGATTTCCCGAACCCCCGAAGTCACATGCGTGGTTCGTGTCTGTGAGT
CACGAGGACCCTGAAGTCAAGTTCAACTGGTACGTGGATGGCGTCGAGGTGCA
TAATGCCAAGACTAAACCTAGGGAGGAACAGTACAACCTAACCTATCGCGTCG
TGAGCGTCTTGACAGTGCTGCACCAGGATTGGCTGAACGGCAAAGAATATAAG
TGCAAAGTGAGCAATAAGGCCCTGCCCGCTCCTATCGAGAAAACCATTTCCAA
GGCTAAAGGGCAGCCTCGCGAACCACAGGTCTACGTCTACCCCCCATCAAGAG
ATGAACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGATTCTAC
CCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAACAAATTA
CAAGACCACACCCCCTGTCCTGGACTCTGATGGGAGTTTCGCTCTGGTGTCAA
AGCTGACCGTCGATAAAAGCCGGTGGCAGCAGGGCAATGTGTTTAGCTGCTCC
GTCATGCACGAAGCCCTGCACAATCACTACACACAGAAGTCCCTGAGCCTGAG
CCCTGGCAAG

(SEQ ID NO: 230 of the Sequence Listing)

[Figure 262]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITRSGGRIYYPDSVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLLTV
SSGGGGSGGGGGSGGGGGSNFMLTQPSSVSGVPGQRV
TISCTGNTGNIGSNYVNWYQQLPGTAPKLLIYRDD
KRPSGVPDRFSGSKSGTSASLAITGFQAEDEADYY
CQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCPPC
PAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVTV
SVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEK
TISKAKGQPREPQVYVYPPSRDELTKNQVSLTCLV
KGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSF
ALVSKLTVDKSRWQQGNVFSCSVMEALHNHYTQK
SLSLSPGK

(SEQ ID NO: 231 of the Sequence Listing)

[Figure 263]

ATGCGCCCTACCTGGGCGCTGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCAGCCCGGGGCGGAGAAGTGCAGCTGGTGGAATCCGGGGGGGGCCTGG
TGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCTCTGGGGTGACATTT
AACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTG
GGTGGCCAGCATCACTAGGTCCGGCGGGCGAATCTACTATCCCGACAGCGTCA
AGGGCAGGTTTACAATTTCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAG
ATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGG
CAGGGATGGGTGGGTGCGCTATTGGGGGCAGGGAACCCTGGTGACAGTCAGCT
CCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACCTTT
ATGCTGACCCAGCCCCACAGTGTGTGAGAGAGCCCTGGCAAGACTGTCAACCAT
CTCTTGTAAGGAACACCGGAATATTGGCAGTAACTACGTGAATTGGTATC
AGCAGCATGAAGGGTCTAGTCCAACCACAATCATCTACCGGAACGATAAGAGA
CCCGACGGGGTGTCCGATCGATTCTCCGGATCTATCGACCGGTCAAGCAAGAG
TGCTTCACTGACCATTAGCAATCTGAAAACAGAGGACGAAGCAGATTACTTTT
GCCAGTCCTATTCTCTGGCTTCATCTTTGGAGGCGGGACTAAACTGACCGTG
CTGGCGGCCGAGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCC
GGCGCCAGAGGCTGCAGGAGGACCAAGCGTGTTCCCTGTTTCCACCCAAGCCTA
AAGACACACTGATGATTTCCCGAACCCCGAAGTCACATGCGTGGTCGTGTCT
GTGAGTCACGAGGACCCTGAAGTCAAGTTCAACTGGTACGTGGATGGCGTCTGA
GGTGCATAATGCCAAGACTAAACCTAGGGAGGAACAGTACAACCTCAACCTATC
GCGTCGTGAGCGTCCTGACAGTGCTGCACCAGGATTGGCTGAACGGCAAAGAA
TATAAGTGCAAAGTGAGCAATAAGGCCCTGCCCGCTCCTATCGAGAAAACCAT
TTCCAAGGCTAAAGGGCAGCCTCGCGAACCACAGGTCTACGTCTACCCCCCAT
CAAGAGATGAACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGA
TTCTACCCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAA
CAATTACAAGACCACACCCCTGTCTGGAAGTCTGATGGGAGTTTCGCTCTGG
TGTCAAAGCTGACCGTCTGATAAAAGCCGGTGGCAGCAGGGCAATGTGTTTAGC
TGCTCCGTCATGCACGAAGCCCTGCACAATCACTACACACAGAAGTCCCTGAG
CCTGAGCCCTGGCAAG

(SEQ ID NO: 232 of the Sequence Listing)

[Figure 264]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITRSGGRIYYPDSVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLLTV
SSGGGGSGGGGGSGGGGGSNFMLTQPHSVSESPGKTV
TISCKRNTGNIGSNYVNWYQQHEGSSPTTIIRND
KRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEAD
YFCQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCP
PCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCV
VVSVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPI
EKTISKAKGQPREPQVYVYPPSRDELTKNQVSLTC
LVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDG
SFALVSKLTVDKSRWQQGNVFSCSVMEALHNHYT
QKSLSLSPGK

(SEQ ID NO: 233 of the Sequence Listing)

[Figure 265]

ATGCGCCCTACCTGGGCCTGGTGGCTGTTCTGCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCAGCCCGGGGCGGAGAAGTGCAGCTGGTGGGAATCCGGGGGGGGCCTGG
TGCAGCCTGGGGGGAGCCTGAGACTGAGTTGTGCCGCCTCTGGGGTGACATTT
AACTACTATGGCATGTCTTGGATCCGCCAGGCACCTGGAAAGGGCCTGGAGTG
GGTGGCCAGCATCACTTCTTCCGGCGGGCGAATCTACTATCCCGACAGCGTCA
AGGGCAGGTTTACAATTTCCCGCGAGAACACACAGAAAACCTCTGTACCTGCAG
ATGAATAGCCTGAGAGCCGAAGATACAGCTGTGTACTATTGCACTCTGGACGG
CAGGGATGGGTGGGTGCGCTATTGGGGGCGAGGGAACCTGGTGACAGTCAGCT
CCGGAGGAGGAGGATCTGGCGGAGGAGGCAGTGGGGGAGGCGGGTCAAACTTT
ATGCTGACCCAGCCCCACAGTGTGTGAGAGAGCCCTGGCAAGACTGTCACCAT
CTCTTGTAAGGAACACCGGAAATATTGGCAGTAACTACGTGAATTGGTATC
AGCAGCATGAAGGGTCTAGTCCAACCACAATCATCTACCGGAACGATAAGAGA
CCCGACGGGGTGTCCGATCGATTCTCCGGATCTATCGACCGGTCAAGCAAGAG
TGCTTCACTGACCATTAGCAATCTGAAAACAGAGGACGAAGCAGATTACTTTT
GCCAGTCCTATTCTCTGGCTTCATCTTTGGAGGCGGGACTAAACTGACCGTG
CTGGCGGCCGAGCCTAAAAGTAGCGATAAAACCCATACCTGCCCCCCTGCCC
GGCGCCAGAGGCTGCAGGAGGACCAAGCGTGTTCTGTTTCCACCCAAGCCTA
AAGACACACTGATGATTTCCCGAACCCCGAAGTCACATGCGTGGTCGTGTCT
GTGAGTCACGAGGACCCTGAAGTCAAGTTCAACTGGTACGTGGATGGCGTCGA
GGTGCATAATGCCAAGACTAAACCTAGGGAGGAACAGTACAACCTCAACCTATC
GCGTCGTGAGCGTCCTGACAGTGCTGCACCAGGATTGGCTGAACGGCAAAGAA
TATAAGTGCAAAGTGAGCAATAAGGCCCTGCCCGCTCCTATCGAGAAAACCAT
TTCCAAGGCTAAAGGGCAGCCTCGCGAACCACAGGTCTACGTCTACCCCCCAT
CAAGAGATGAACTGACAAAAAATCAGGTCTCTCTGACATGCCTGGTCAAAGGA
TTCTACCCTTCCGACATCGCCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAA
CAATTACAAGACCACACCCCCTGTCCTGGACTCTGATGGGAGTTTCGCTCTGG
TGTCAAAGCTGACCGTCGATAAAAGCCGGTGGCAGCAGGGCAATGTGTTTAGC
TGCTCCGTCTATGCACGAAGCCCTGCACAATCACTACACACAGAAGTCCCTGAG
CCTGAGCCCTGGCAAG

(SEQ ID NO: 234 of the Sequence Listing)

[Figure 266]

MRPTWAWWLFLVLLALWAPARGGEVQLVESGGGL
VQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLE
WVASITSSGGRIYYPD SVKGRFTISRENTQKTLYL
QMNSLRAEDTAVYYCTLDGRDGWVAYWGQGT LVT V
SSGGGGSGGGGGSGGGGGSNFMLTQPHSVSESPGKTV
TISCKRNTGNIGSNYVNWYQQHEGSSPTTI IYRND
KRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEAD
YFCQSYSSGFIFGGGTKLTVLAAEPKSSDKTHTCP
PCPAPEAAGGPSVFLFPKPKDTLMISRTP E V T C V
VVS VSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPI
EKTISKAKGQPREPQVYVYPPSRDELTKNQVSLTCL
LVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDG
SFALVSKLTVDKSRWQQGNV FSCSVMHEALHNHYT
QKSLSLSPGK

(SEQ ID NO: 235 of the Sequence Listing)

[Figure 267]

ATGAGGCCTACCTGGGCCTGGTGGCTGTTCCCTGGTGCTGCTGCTGGCCCTGTG
GGCCCCCGCCCGGGGCCAGGTGCAGCTGGTGGAGTCCGGCGGGCGGCCTGGTGA
AGCCCAGCCAGACCCTGTCCCTGACCTGCACATTCAGCGGCTTTTCCCTGAAC
ACATACGATATGGGAGTGGGATGGATCAGACAGCCACCTGGCAAGGGCCTGGA
GTGGATCGGCAACATCTGGTGGGACGATGACAAGTACTATAATCCCTCTCTGA
AGAGCAGAGTGACCATCTCTAAGGATACAAGCAACAATCAGGCCTCCCTGAAG
CTGAGCTCCGTGACCGCCGCGACACAGCCGTGTACTATTGCGCCAGGATCGA
GACAGTGCGGGTGAGCCGGAAGGGATTGCGCACA CTGGGGACAGGGCACCCCTGG
TGACAGTGTCTAGCGCTAGCACAAAGGGACCTAGCGTGTTCCCACTGGCCCCCT
TCCTCTAAGTCCACCTCTGGAGGAACAGCCGCCCTGGGCTGTCTGGTGAAGGA
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GAGTGCACACATTTCCCTGCCGTGCTGCAGAGCTCCGGCCTGTACAGCCTGTCT
AGCGTGGTGACCGTGCCATCCTCTAGCCTGGGCACCCAGACATATATCTGCAA
CGTGAATCACAAGCCAAGCAATACAAAGGTGACAAAGAGAGTGGAGCCCAAGT
CCTGTGACAAGACCCACACATGCCACCCCTGTCCGGCGCCAGAGGCTGCAGGA
GGACCAAGCGTGTTCCCTGTTTTCCACCCAAGCCTAAAGACACACTGATGATTTT
CCGAACCCCCGAAGTCACATGCGTGGTTCGTGTCTGTGAGTCACGAGGACCCTG
AAGTCAAGTTCAACTGGTACGTGGATGGCGTCGAGGTGCATAATGCCAAGACT
AAACCTAGGGAGGAACAGTACAACTCAACCTATCGCGTCGTGAGCGTCCTGAC
AGTGCTGCACCAGGATTGGCTGAACGGCAAAGAATATAAGTGCAAAGTGAGCA
ATAAGGCCCTGCCCGCTCCTATCGAGAAAACCATTTCCAAGGCTAAAGGGCAG
CCTCGCGAACCACAGGTCTACGTGCTGCCCCCTAGCCGCGACGAACTGACTAA
AAATCAGGTCTCTCTGCTGTGTCTGGTCAAAGGATTCTACCCTTCCGACATCG
CCGTGGAGTGGGAAAGTAACGGCCAGCCCGAGAACAATTACCTGACCTGGCCC
CCTGTGCTGGACTCTGATGGGAGTTTCTTTCTGTATTCAAAGCTGACAGTCGA
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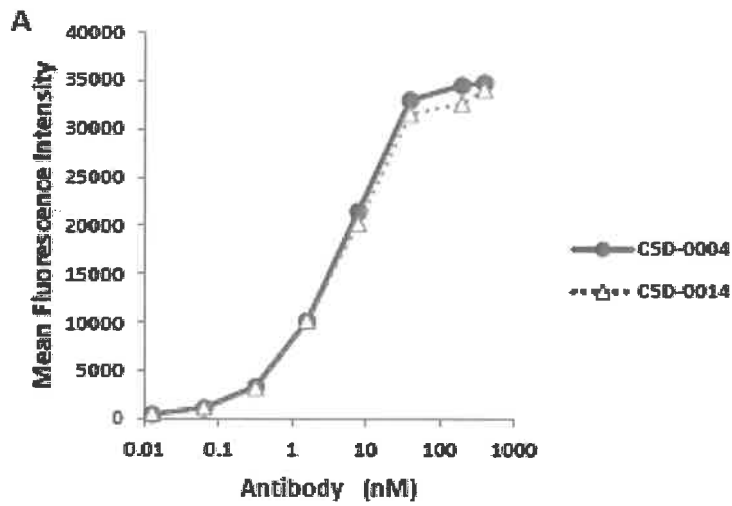
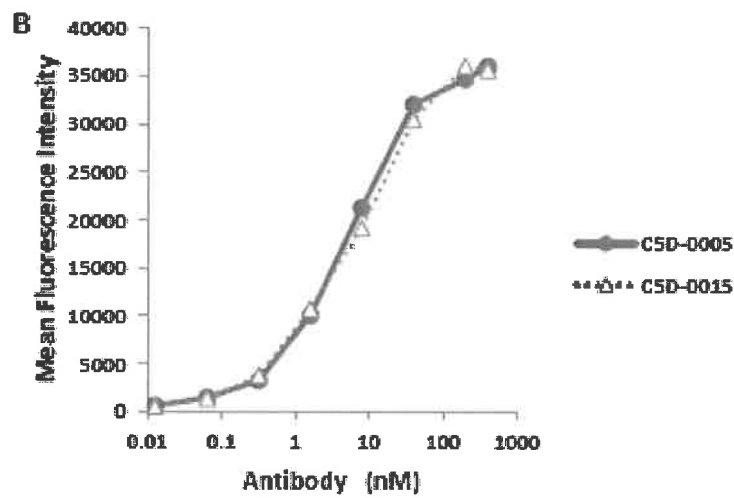
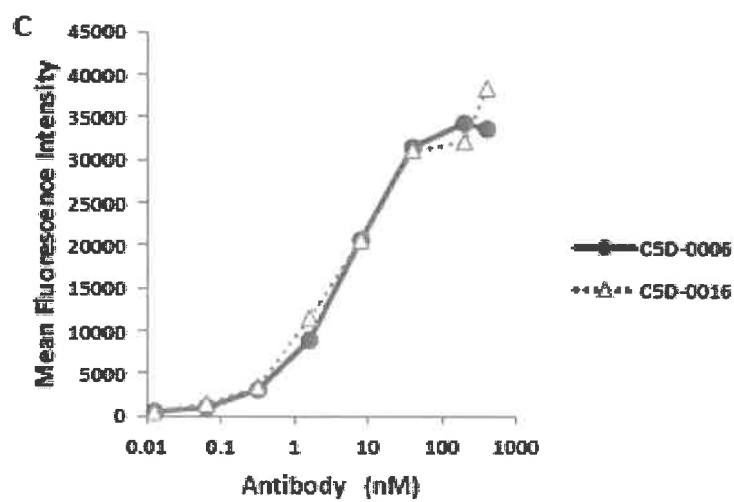
(SEQ ID NO: 236 of the Sequence Listing)

[Figure 268]

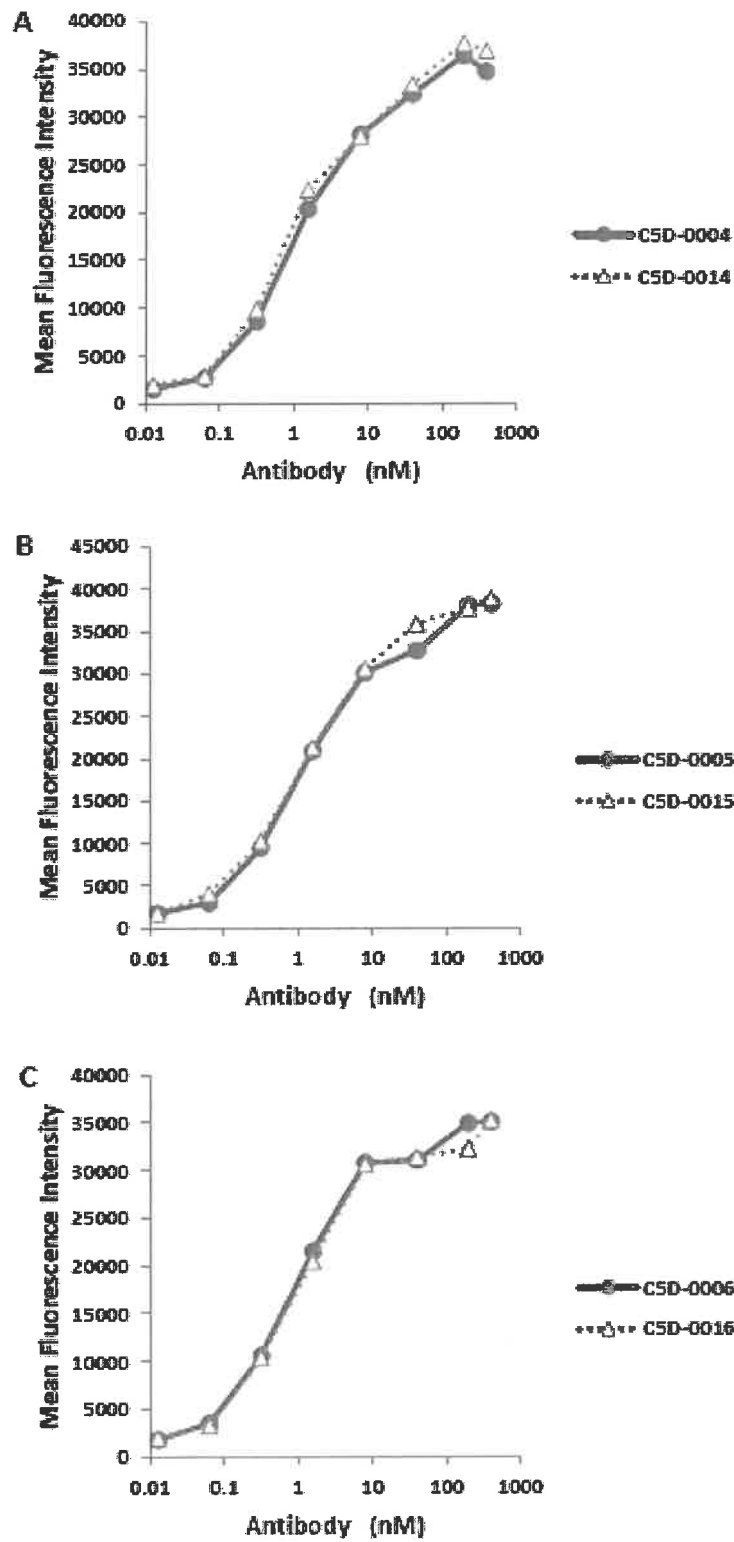
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KPSQTLSLTCTFSGFSLNTYDMGVGWIRQPPGKGL
EWIGNIWWDDDKYYNPSLKSRVTISKDTSNQASL
KLSSVTAADTAVYYCARIETVRVSRKGF AHWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLV
KDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYS
LSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRV
PKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKDTL
MISRTPEVTCVTVSVSHEDPEVKFNWYVDGVEVHN
AKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC
KVSNAKALPAPIEKTISKAKGQPREPQVYVLPISR
ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNY
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CS
VMHEALHNHYTQKSLSLSPGK

(SEQ ID NO: 237 of the Sequence Listing)

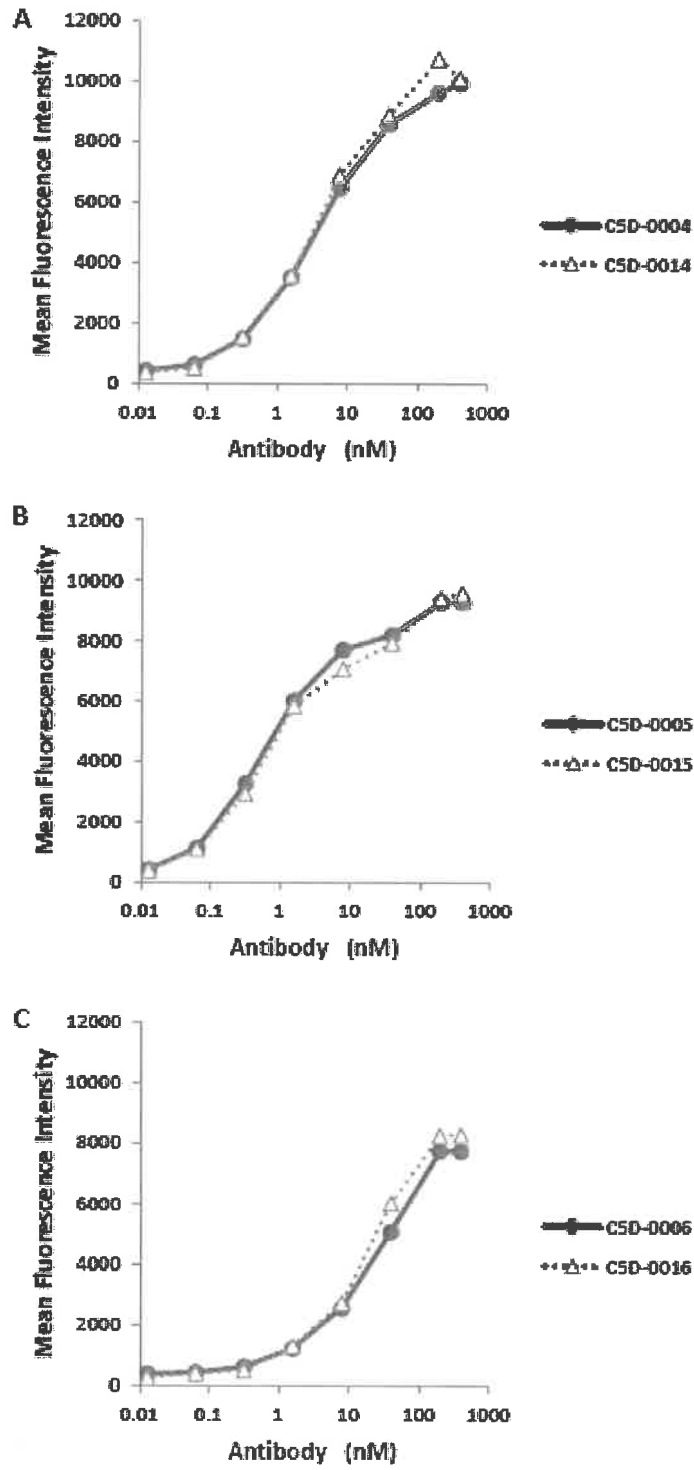
[Figure 269]



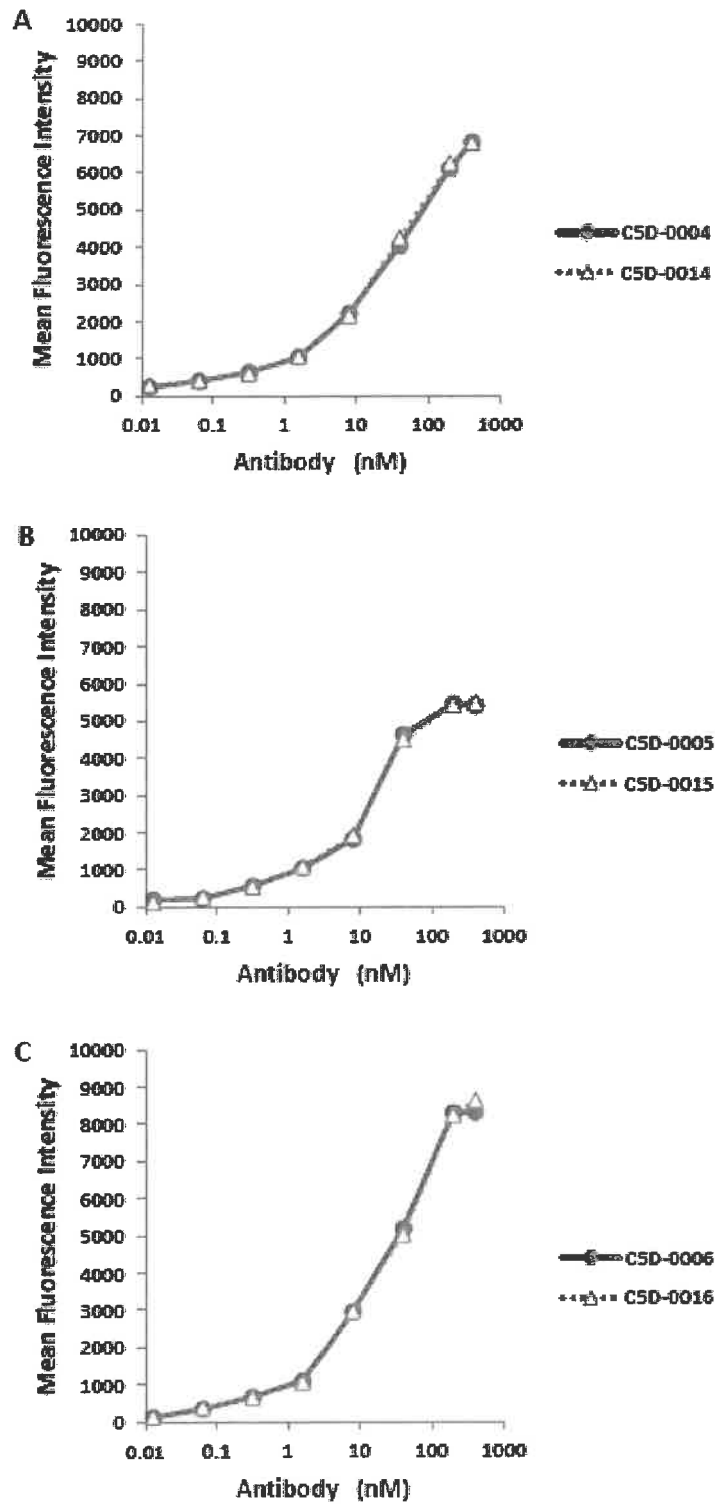
[Figure 270]



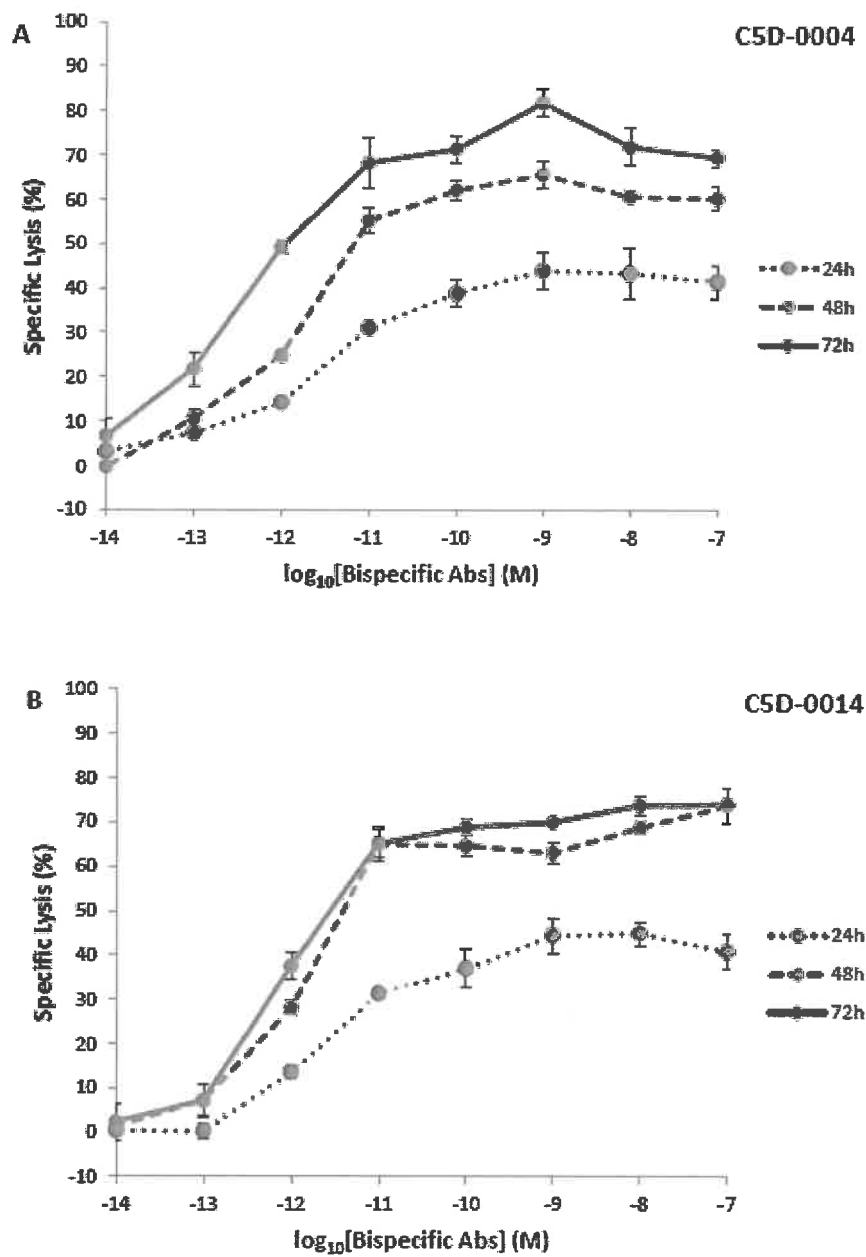
[Figure 271]



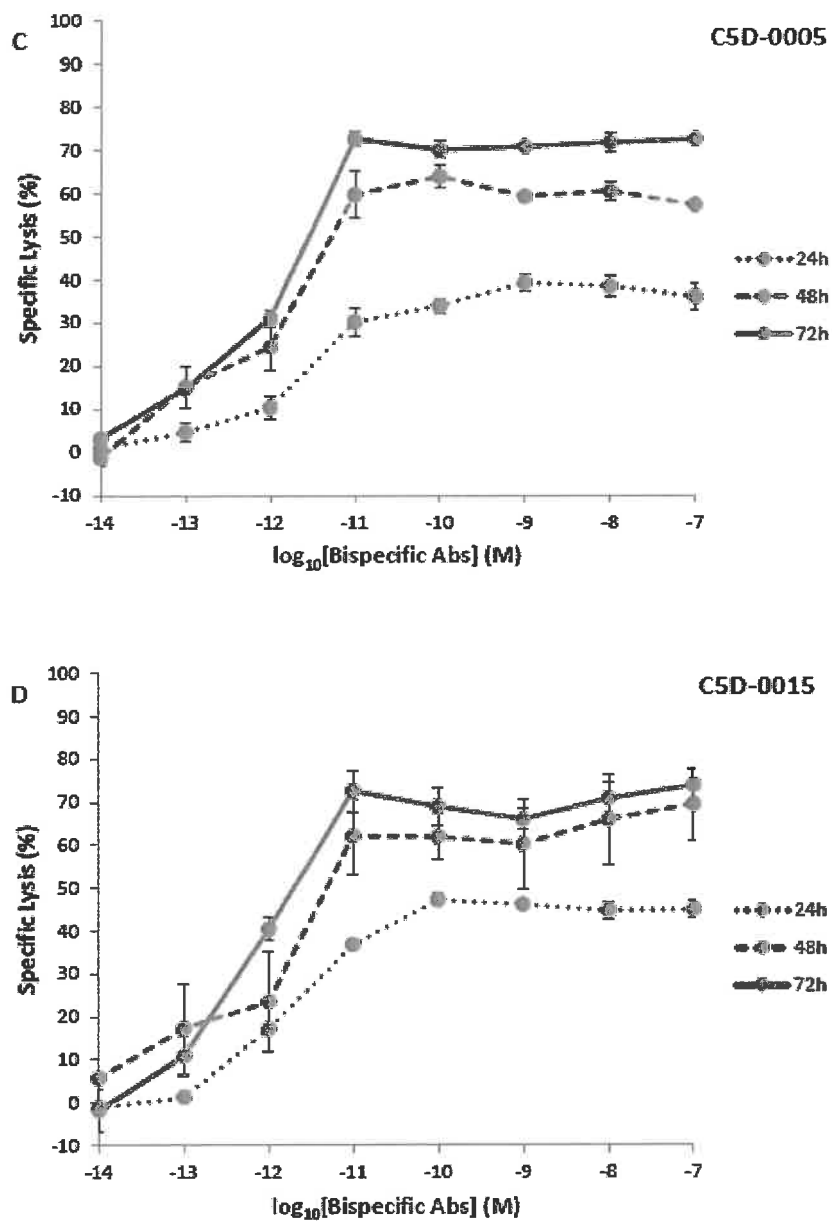
[Figure 272]



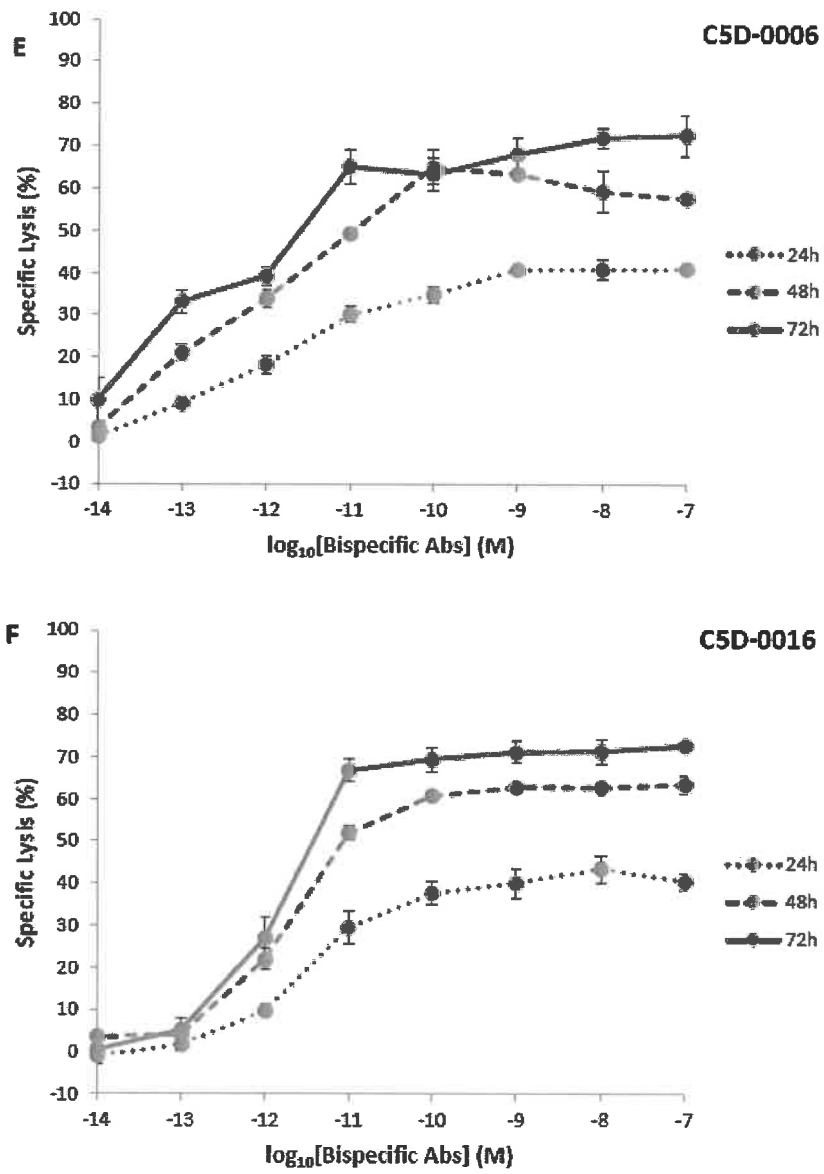
[Figure 273-1]



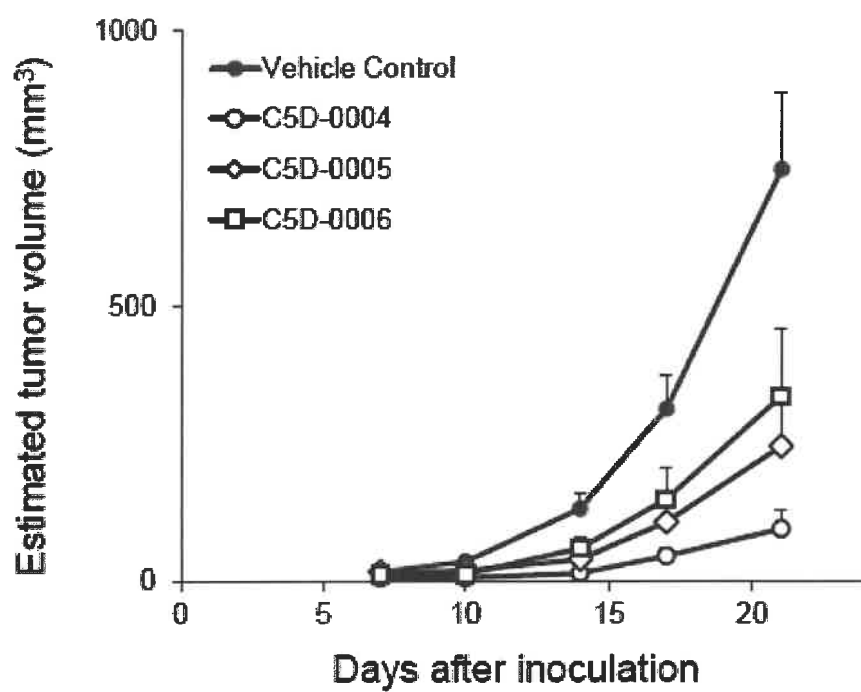
[Figure 273-2]



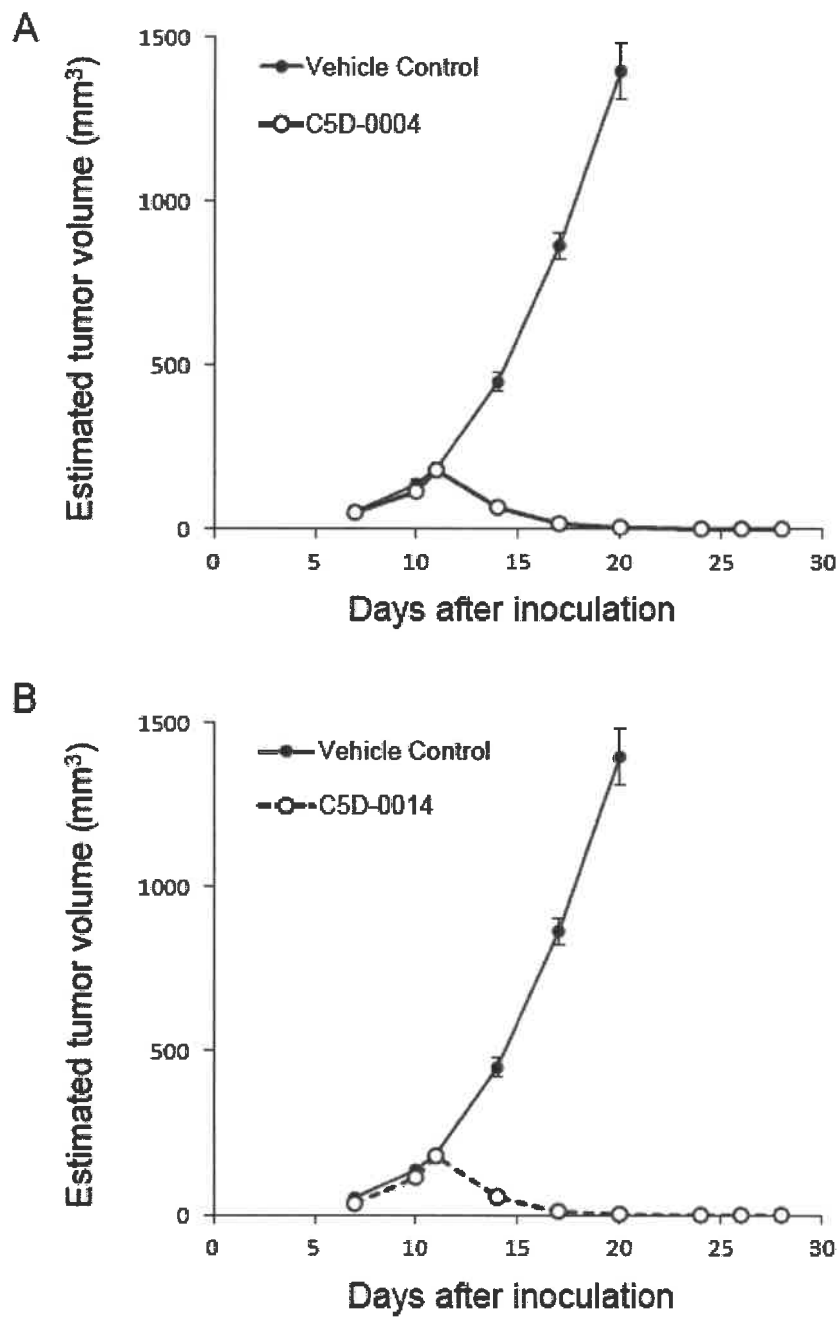
[Figure 273-3]



[Figure 274]



[Figure 275]



[Figure 276]

I T X_{aa}X_{aa}G G R I

(Xaa is an arbitrary natural amino acid residue)

(SEQ ID NO: 238 of the Sequence Listing)

[Figure 277]

R X_{aa}D

(Xaa is an arbitrary natural amino acid residue)

(SEQ ID NO: 239 of the Sequence Listing)

[Figure 278]

E V Q L V E S G G G L V Q P G G S L R L S C A A S G V T F N Y Y G M S
W I R Q A P G K G L E W V A S I T X_{aa}X_{aa}G G R I Y Y P D S V K G R F
T I S R E N T Q K T L Y L Q M N S L R A E D T A V Y Y C T L D G R D G
W V A Y W G Q G T L V T V S S

(Xaa is an arbitrary natural amino acid residue)

(SEQ ID NO: 240 of the Sequence Listing)

[Figure 279]

NFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVN
WYQQHEGSSPTTIIYRX_{aa}DKRPDGVSDRFSGSIDR
SSKSASLTISNLKTEDEADYFCQSYSSGFIFGGGT
KLTVL

(Xaa is an arbitrary natural amino acid residue)

(SEQ ID NO: 241 of the Sequence Listing)

[Figure 280]

QAVLTQPSSVSGVPGQRVTISCKRNTGNIGSNYVN
WYQQLPGTAPKLLIYRX_{aa}DKRPSGVPDRFSGSKSG
TSASLAITGFQAEDEADYYCQSYSSGFIFGGGTKL
TVL

(Xaa is an arbitrary natural amino acid residue)

(SEQ ID NO: 242 of the Sequence Listing)

[Figure 281]

NFMLTQPSSVSGVPGQRVTISCTGNTGNIGSNYVN
WYQQLPGTAPKLLIYRX_{aa}DKRPSGVPDRFSGSKSG
TSASLAITGFQAEDEADYYCQSYSSGFIFGGGTKL
TVL

(Xaa is an arbitrary natural amino acid residue)

(SEQ ID NO: 243 of the Sequence Listing)

[Figure 282]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITRSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGLTVTS
SGGGGSGGGGSGGGGSNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRDDKRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 244 of the Sequence Listing)

[Figure 283]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITRSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGLTVTS
SGGGGSGGGGSGGGGSNFMLTQPSSVSGVPGQRVTISCTGNTGNIGSNYVNWYQQLPGT
APKLLIYRDDKRPSGVPDRFSGSKSGTSASLAITGFQAEDEADYYCQSYSSGFIFGGGT
KLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 245 of the Sequence Listing)

[Figure 284]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITRSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRGDKRPDGVSDRFGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAIAHHHHHH

(SEQ ID NO: 246 of the Sequence Listing)

[Figure 285]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITRSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRQDKRPDGVSDRFGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAIAHHHHHH

(SEQ ID NO: 247 of the Sequence Listing)

[Figure 286]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITRSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRNDKRPDGVSDRFGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAIAHHHHHH

(SEQ ID NO: 248 of the Sequence Listing)

[Figure 287]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITRSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGWVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRSDKRPDGVSDRFGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAIAHHHHHH

(SEQ ID NO: 249 of the Sequence Listing)

[Figure 288]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITRSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRADKRDPDGVSDRFGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 250 of the Sequence Listing)

[Figure 289]

(SEQ ID NO: 251 of the Sequence Listing)

[Figure 290]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITSSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRGDKRDPDGVSDRFGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 252 of the Sequence Listing)

[Figure 291]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITSSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGVVAYWGQGTLLTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRNDKRDPDGVSDRFGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAAHHHHHH

(SEQ ID NO: 253 of the Sequence Listing)

[Figure 292]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITSSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGWVAYWGQGLVTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRSDKRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAGHHHHHH

(SEQ ID NO: 254 of the Sequence Listing)

[Figure 293]

GEVQLVESGGGLVQPGGSLRLSCAASGVTFNYYGMSWIRQAPGKGLEWVASITSSGGRI
YYPDSVKGRFTISRENTQKTLYLQMNSLRAEDTAVYYCTLDGRDGWVAYWGQGLVTVS
SGGGGSGGGGSGGGGSGNFMLTQPHSVSESPGKTVTISCKRNTGNIGSNYVNWYQQHEGS
SPTTIIYRADKRPDGVSDRFSGSIDRSSKSASLTISNLKTEDEADYFCQSYSSGFIFGG
GTKLTVLGAAAGAGGDYKDDDDKGAAGHHHHHH

(SEQ ID NO: 255 of the Sequence Listing)