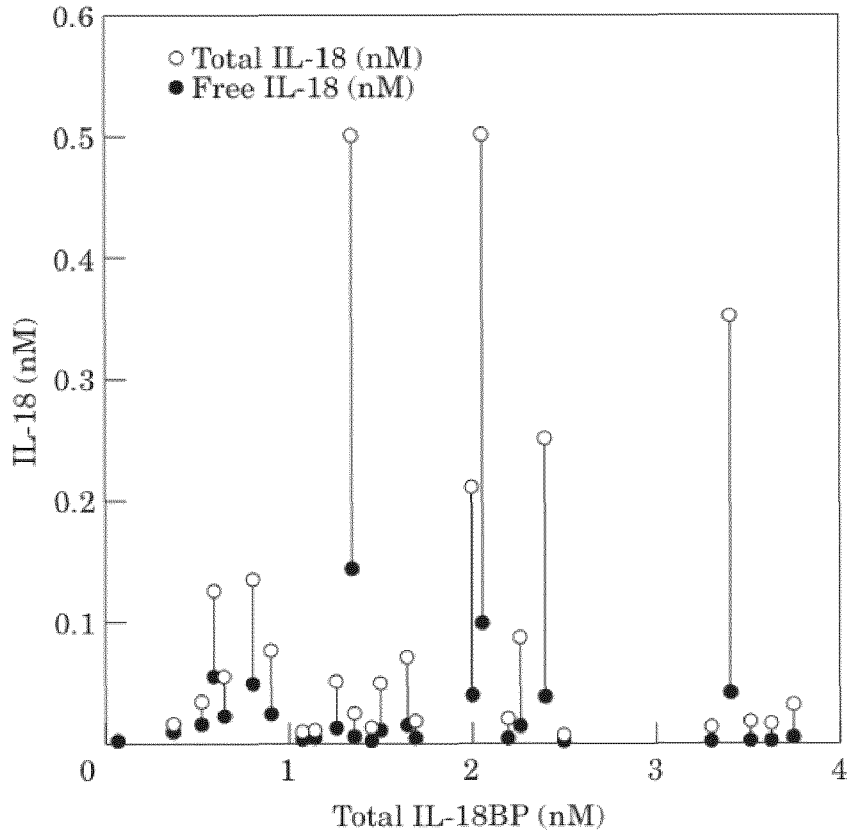

Total IL-18 (nM)
Free IL-18 (nM)
IL-18 (nM)
0.6
0.5
0.4
0.3
0.2
0.1
0
1
2
3
4
Total IL-18BP (nM)

Figure 1

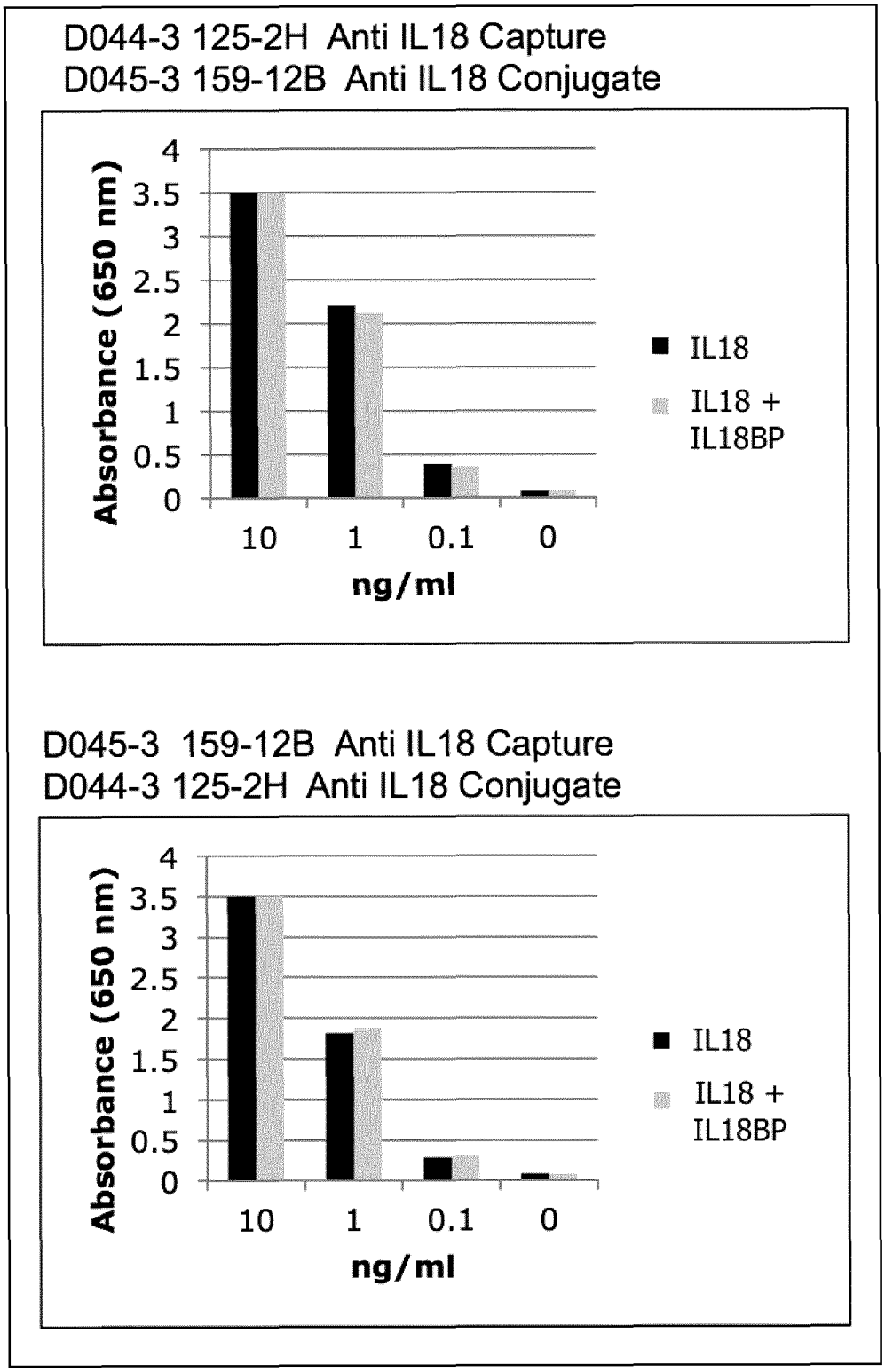

D044-3 125-2H Anti IL18 Capture
D045-3 159-12B Anti IL18 Conjugate
Absorbance (650 nm)
4
3.5
3
2.5
2
1.5
1
0.5
0
10
1
0.1
0
ng/ml
IL18
IL18 + IL18BP
D045-3 159-12B Anti IL18 Capture
D044-3 125-2H Anti IL18 Conjugate
Absorbance (650 nm)
4
3.5
3
2.5
2
1.5
1
0.5
0
10
1
0.1
0
ng/ml
IL18
IL18 + IL18BP

Figure 2

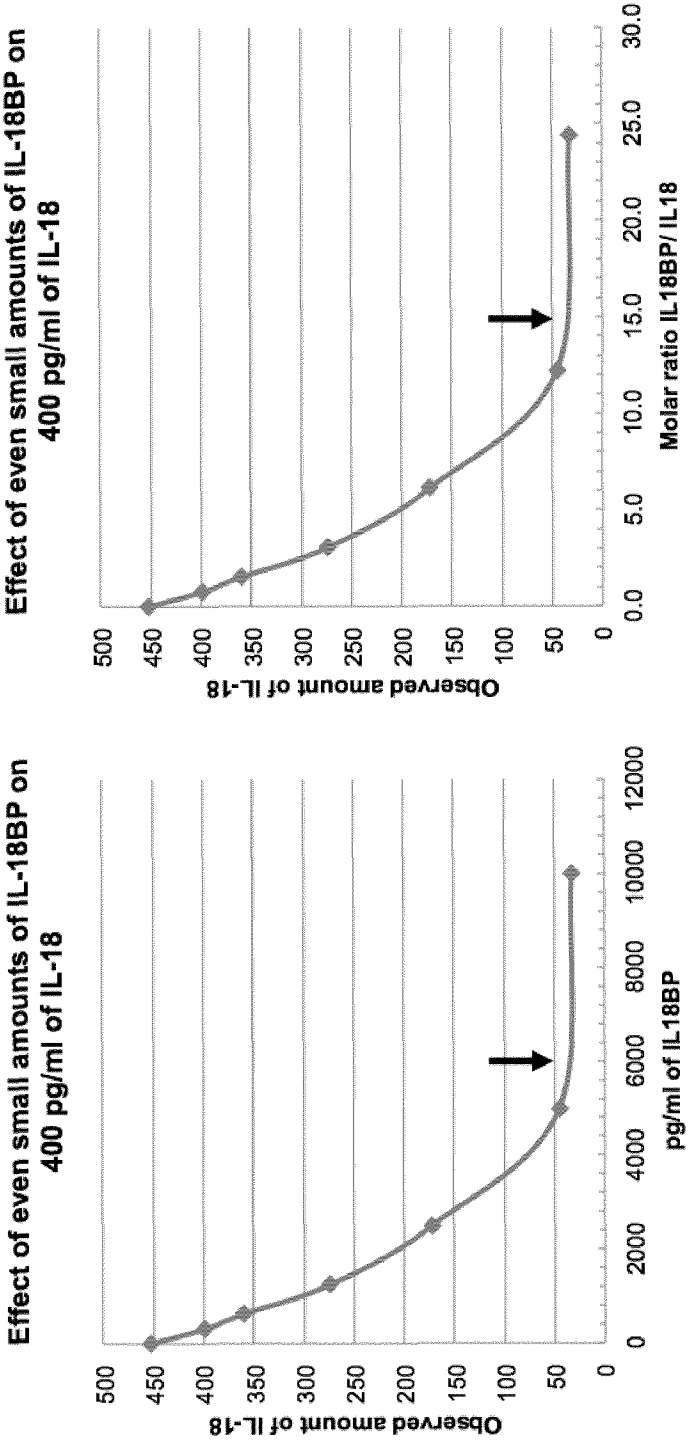

Effect of even small amounts of IL-18BP on 400 pg/ml of IL-18
Observed amount of IL-18
500
450
400
350
300
250
200
150
100
50
0
0
2000
4000
6000
8000
10000
12000
pg/ml of IL18BP
Effect of even small amounts of IL-18BP on 400 pg/ml of IL-18
Observed amount of IL-18
500
450
400
350
300
250
200
150
100
50
0
0.0
5.0
10.0
15.0
20.0
25.0
30.0
Molar ratio IL18BP/ IL18

Figure 3

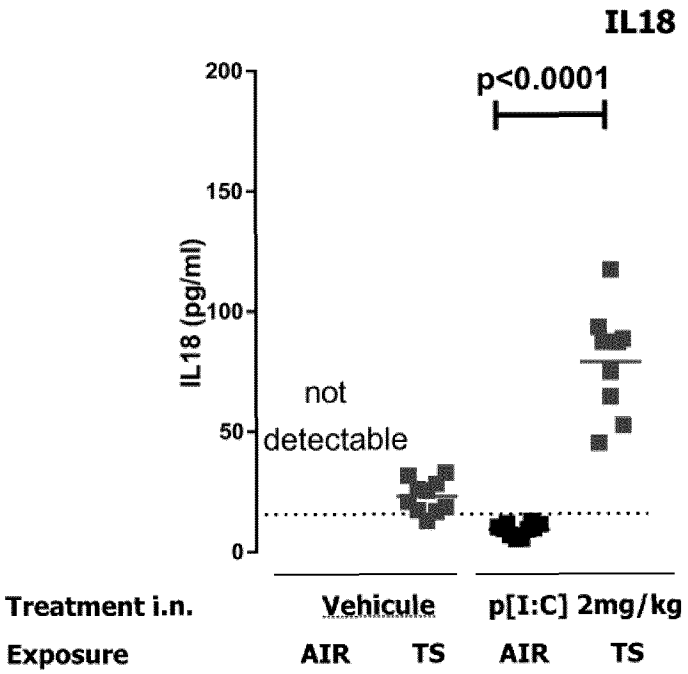

IL18
p<0.0001
200
150
100
50
0
IL18 (pg/ml)
not
detectable
Treatment i.n.
Vehicule
p[I:C] 2mg/kg
Exposure
AIR
TS
AIR
TS

Figure 4

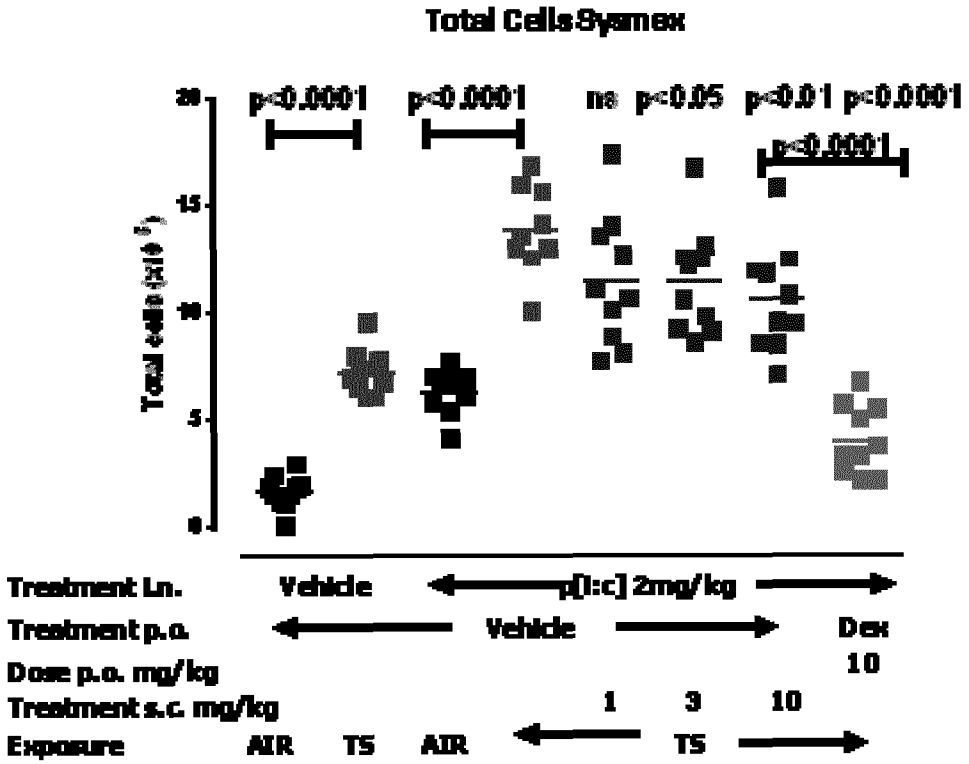

Total Cells Sysmex
p<0.0001
p<0.0001
ns
p<0.05
p<0.01
p<0.0001
p<0.0001
Treatment Ln.
Vehicle
p[I:c] 2mg/kg
Treatment p.o.
Vehicle
Dex
10
Dose p.o. mg/kg
Treatment s.c. mg/kg
1
3
10
Exposure
AIR
TS
AIR
TS

Figure 5

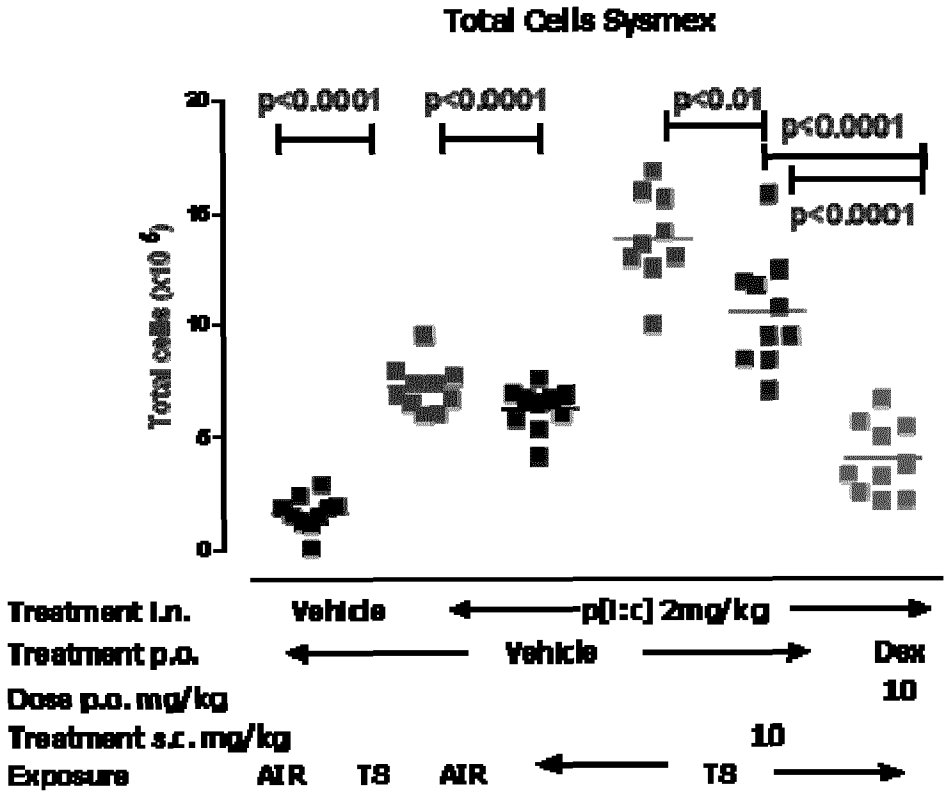

Total Cells Sysmex
p<0.0001
p<0.0001
p<0.01
p<0.0001
p<0.0001
Total cells (x10 6)
20
15
10
5
0
Treatment i.n.
Vehicle
p[I:c] 2mg/kg
Treatment p.o.
Vehicle
Dex
Dose p.o. mg/kg
10
Treatment s.c. mg/kg
10
Exposure
AIR
TS
AIR
TS

Figure 6

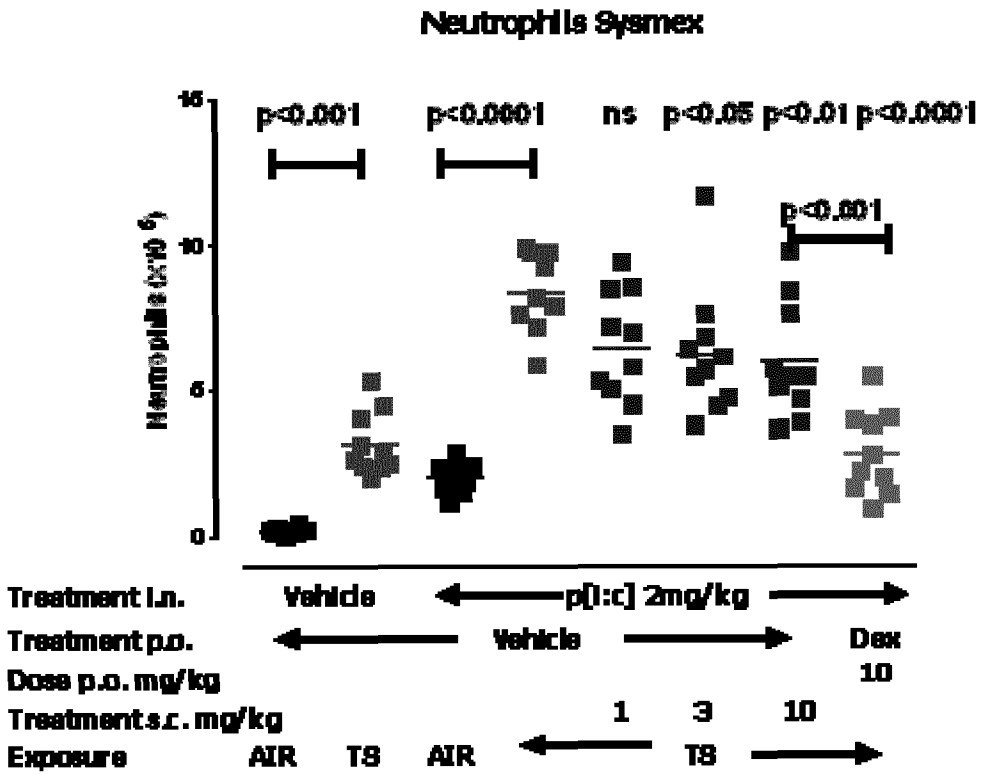

Neutrophils Sysmex
p<0.001
p<0.0001
ns
p<0.05
p<0.01
p<0.0001
p<0.001
15
10
5
0
Treatment i.n.
Vehicle
p[I:c] 2mg/kg
Treatment p.o.
Vehicle
Dex
10
Dose p.o. mg/kg
1
3
10
Treatment s.c. mg/kg
Exposure
AIR
TS
AIR
TS

Figure 7

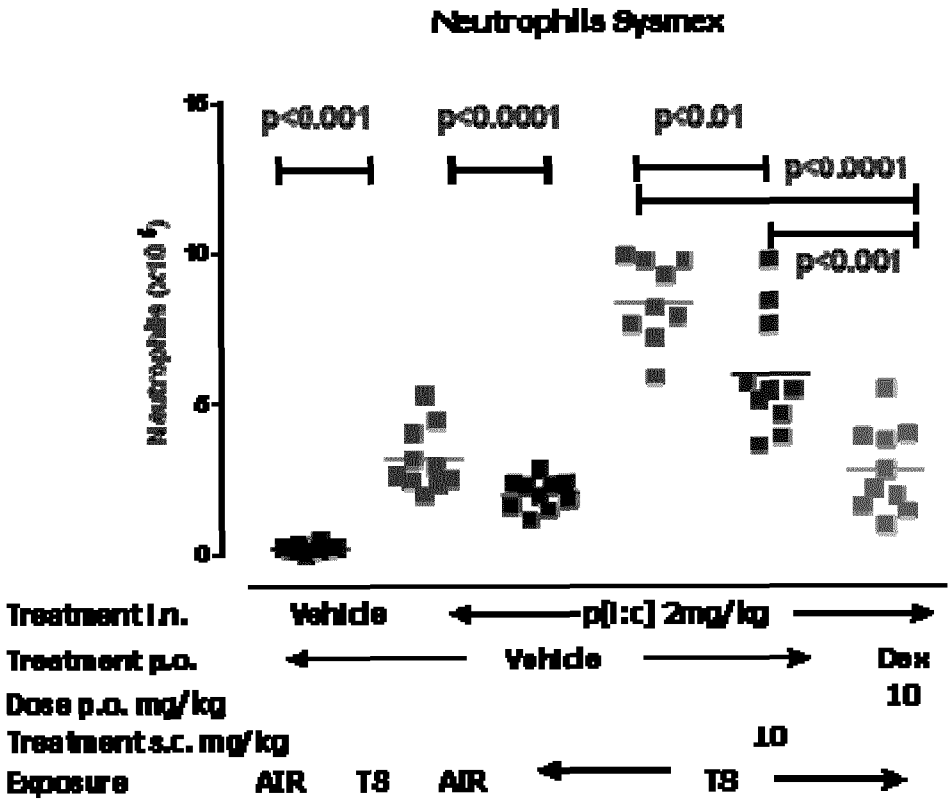

Neutrophils Sysmex
p<0.001
p<0.0001
p<0.01
p<0.0001
p<0.001
Neutrophils (x10 6)
15
10
5
0
Treatment i.n.
Vehicle
p[I:c] 2mg/kg
Treatment p.o.
Vehicle
Dex
Dose p.o. mg/kg
10
Treatment s.c. mg/kg
10
Exposure
AIR
TS
AIR
TS

Figure 8

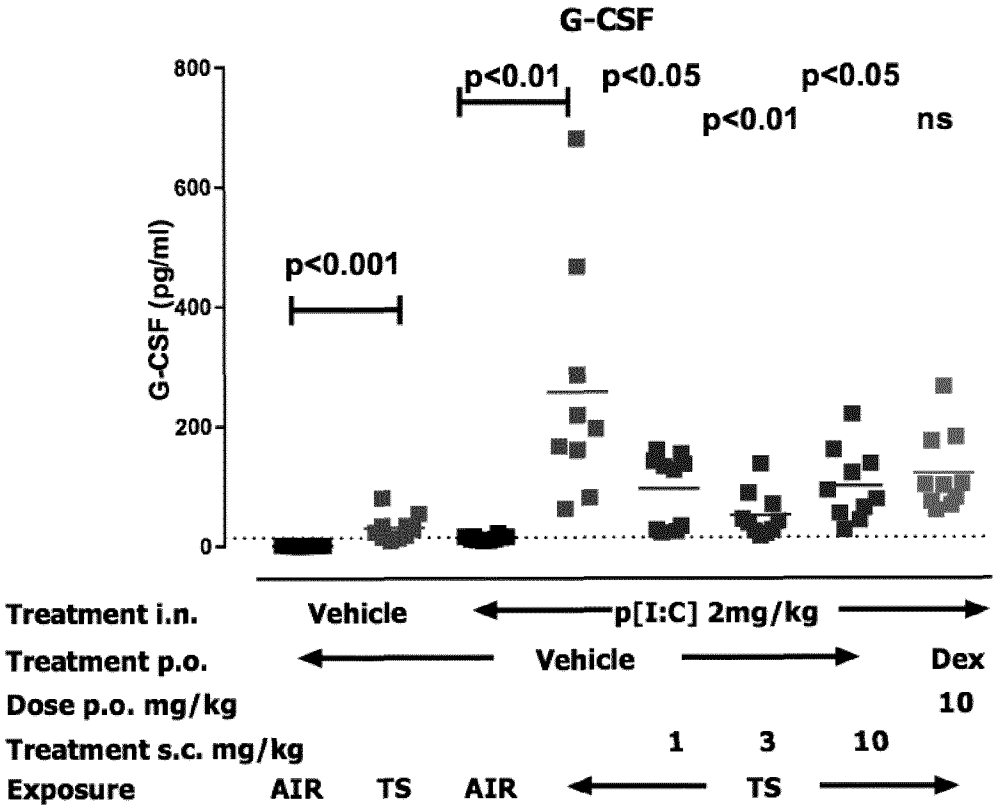

G-CSF
800
600
400
200
0
G-CSF (pg/ml)
p<0.01
p<0.05
p<0.05
p<0.01
ns
p<0.001
Treatment i.n.
Vehicle
p[I:C] 2mg/kg
Treatment p.o.
Vehicle
Dex
Dose p.o. mg/kg
10
Treatment s.c. mg/kg
1
3
10
Exposure
AIR
TS
AIR
TS

Figure 9.

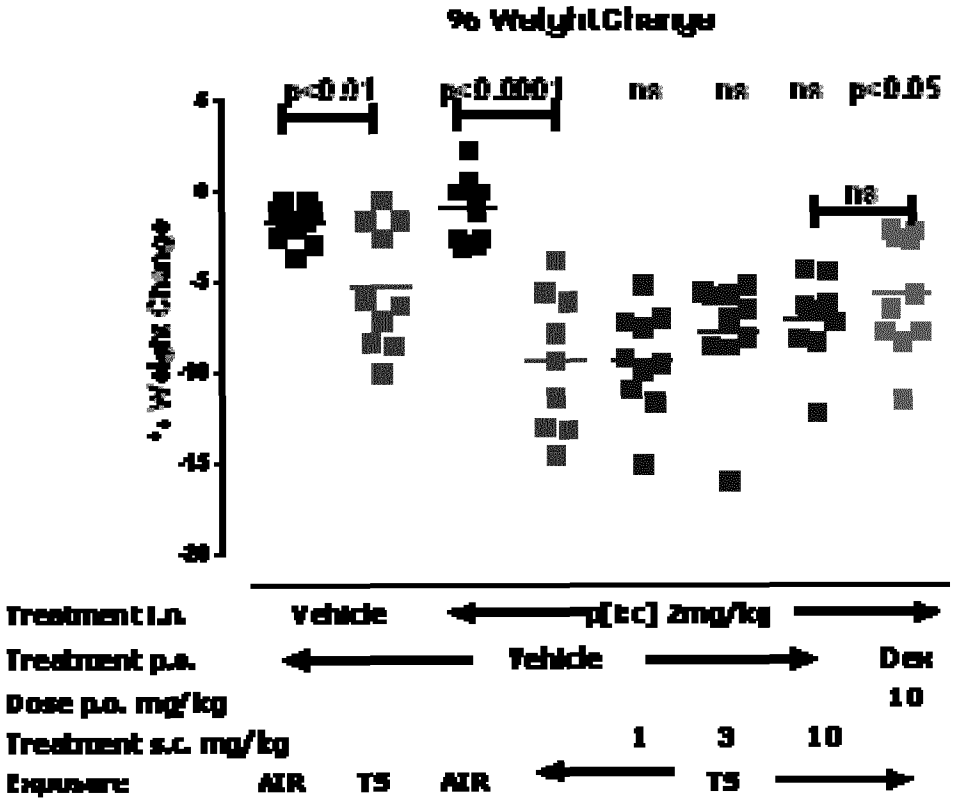

% Weight Change
p<0.01
p<0.0001
ns
ns
ns
p<0.05
ns
Treatment i.n.
Vehicle
p[tc] 2mg/kg
Treatment p.o.
Vehicle
Dex
Dose p.o. mg/kg
10
Treatment s.c. mg/kg
1
3
10
Exposure:
AIR
TS
AIR
TS

Figure 10

107C6

VH DNA Sequence:

ATGGGTTGGGTGTGGACCTTGCCATTCCTGATGGCAGCTGCCCAAAGTATCCA
AGCACAGATCCAGTTGGTGCAGTCTGGTCCTGAACTGAAGAAGCCTGGAGAGA
CAGTCAAGCTCTCCTGCAGGGCTTCTGGATATACATTCACAAACTATGGAATGA
ACTGGGTGAAGCAGGCTCCAGGAAAGGGTTTAAAGTGGATGGGCTGGATAAA
CACCTACTCTGGAGTGCCAACATATGCTGATGACTTCAAGGGACAGTTTGCCTT
CTCTTTGGAAACCTCTGCCGCCACTGCCTTTTTGCAGATCAACAACCTCAAAGA
TGAGGACACGGCTACATATTTTTGTGCAAGAGAGGGATATAGTACTACCAGGT
CTATGGACTACTGGGGTCAAGGAACCTCAGTCACCGTCTCCTCAGCCAAAACG
ACACCCCCATCTGTCTATCCACTGGCC

VH Amino Acid Sequence:

MGWVWTLPFLMAAAQSIQA**QIQLVQSGPELKKPGETVKLSCRASGYTFTNYGMN**
WVKQAPGKGLKWMGWINTYSGVPTYADDFKGQFAFSLETSAATAFLQINNLKD
EDTATYFCAREGYSTTRSMDYWGQGTSVTVSSAKTTPPSVYPLA

VK DNA Sequence:

ATGGAGTCACAGTCTCAGGTTCTTATATTGCTGCTGCTATGGGTATCTGGTACC
TGTGGGGACATTGTGATGTCACAGTCTCCATCCTCCCTGGCTGTGTCAGCAGG
AGAGAAGGTCACTATGAGCTGCAAATCCAGTCAGAGTCTGCTCGACAGTAGAA
CCCGAAAGAACTACTTGGTTTGGTACCAGCAGAAACCAGGGCAGTCTCCTAAA
CTGCTGATCTACTGGGCATCCACTAGGGGATCTGGGGTCCCTGATCGCTTCAC
AGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTGTGCAGGCTG
AAGACCTGGCAGTTTATTACTGCAAACAATCTTATAATCTTCGGACGTTCGGTG
GAGGCACCAAGCTGGAAATCAAACGGGCTGATGCTGCACCAACTGTATCCATC
TTCCCACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTT
CTTGAACAACTTCTACCCCAAA

VK Amino Acid Sequence:

MESQSQVLILLLLWVSGTCG**DIVMSQSPSSLAVSAGEKVTMSCKSSQSLLDSRTR**
KNYLVWYQQKPGQSPKLLIYWASTRGSGVPDRFTGSGSGTDFTLTISSVQAEDL
AVYYCKQSYNLRTFGGGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFY
PK

Figure 11-1

108F8

VH DNA Sequence:

ATGGGTTGGGTGTGGACCTTGCTATTCCTGATGGCAGCTGCCCAAAGTATCCA
ATCACAGATCCAGTTGGTGCAGTCTGGTCCTGATTCGAAGAAGCCTGGAGAGA
CAGTCAAGCTCTCCTGCAGGGCTTCTGGATATACATTCACAAACTATGGAATGA
ACTGGGTGAAGCAGGCTCCAGGAAAGGGTTTAAAGTGGATGGGCTGGATAAA
CACCTACTCTGGAGTGCCAACATATGCTGATGACTTCAAGGGACAGTTTGCCTT
CTCTTTGGAAACCTCTGCCGCCACTGCCTTTTTGCAGATCAACAACCTCAAAGA
TGAGGACACGGCTACATATTTTTGTGCAAGAGAGGGATATAGTACTACCAGGT
CTATGGACTACTGGGGTCAAGGAACCTCAGTCACCGTCTCCTCAGCCAAAACG
ACACCCCCATCTGTCTTCCCCCTGGCACCT

VH Amino Acid Sequence:

MGWVWTLLFLMAAAQSIQS**QIQLVQSGPDSKKPGETVKLSCRASGYTFTNYGMN**
WVKQAPGKGLKWMGWINTYSGVPTYADDFKGQFAFSLETSAATAFLQINNLKD
EDTATYFCAREGYSTTRSMDYWGQGTSVTVSSAKTTPPSVFPLAP

VK DNA Sequence:

ATGGGCTTCAAGATGAAGTCAGTCGACCTGGTTCTTATATTGCTGCTGCTATGG
GTATCTGGTACCTGTGGGGACATTGTGATGTCACAGTCTCCATCCTCCCTGGC
TGTGTCAGCAGGAGAGAAGGTCACTATGAGCTGCAAATCCAGTCAGAGTCTGC
TCGACAGTAGAACCCGAAAGAACTACTTGGTTTGGTACCAGCAGAAACCAGGG
CAGTCTCCTAAACTGCTGATCTACTGGGCATCCACTAGGGGATCTGGGGTCCC
TGATCGCTTCACAGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCA
GTGTGCAGGCTGAAGACCTGGCAGTTTATTACTGCAAACAATCTTATAATCTTC
GGACGTTCGGTGGAGGCACCAAGCTGGAAATCAAACGGGCTGATGCTGCACC
AACTGTATCCATCTTCCCACCATCCAGTGAGC-
AGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACTTCTACCCC

VK Amino Acid Sequence:

MGFKMKSVDLVLILLLLWVSGTCG**DIVMSQSPSSLAVSAGEKVTMSCKSSQSLLD**
SRTRKNYLVWYQQKPGQSPKLLIYWASTRGSGVPDRFTGSGSGTDFTLTISSVQ
AEDLAVYYCKQSYNLRTFGGGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFL
NNFYP

Figure 11-2

109A6

VH DNA Sequence:

ATGAAATGCAGCTGGATTATGTTCTTCCTGATGGCAGTGGTTACAGGGGTCAAT
TCAGAGGTTCAGCTGCAGCAGTCTGGGGCAGAACTTGTGAAGCCAGGGGCCT
CAGTCAAGTTGTCCTGCACAGCTTCTGGCTTCAAAATTAAAGACACCTATATAC
ACTGGGTGATCCAGAGGCCTGCACAGGGCCTGGAATGGATTGGAAGGATTGA
TCCTGCGAATGGTAATACTATTTATGGCTCAAAGTTCCAGGGCAAGGCCACTCT
AACAGCGGACACATCATCCAACACAGCCTACATTCACCTCAGCAGCCTGACAT
CTGGGGACTCTGCCGTCTATTACTGTGCGGGCTACGTTTGGTTTGCTTACTGG
GGCCAAGGGACTCTGGTCACTGTCTCTGCAGCTACAACAACAGCCCCATCCGT
CTTCCCCCTGGCACCA

VH Amino Acid Sequence:

MKCSWIMFFLMAVVTGVNS**EVQLQQSGAELVKPGASVKLSCTASGFKIKDTYIH**
WVIQRPAQGLEWIGRIDPANGNTIYGSKFQGKATLTADTSSNTAYIHLSSLTSGDS
AVYYCAGYVWFAYWGQGTLVTVSAATTTAPSVFPLAP

VK DNA Sequence:

ATGAAGTTGCCTGTTAGGCTGTTGGTGCTGATGTTCTGGATTCCTGCCTCCAG
CAGTGATGTTGTGATGACCCAAGTTCCACTCTCCCTGCCTGTCAGTCTTGGAG
ATCAAGCCTCCATCTCTTGCAGATCTAGTCAGAGACTTGTGCACAGTAATGGAA
ACACCTATTTACATTGGTTCTTACAGAAGCCAGGCCAGTCTCCAAAGCTCCTGA
TCTACACAGTTTCCAACCGATTTTCTGGGGTCCCAGACAGGTTCAGTGGCAGT
GGATCAGGGACAGATTTCACACTCAAGATCAGCAGAGTGGAGGCTGAGGATCT
GGGAGTTTATTTCTGCTCTCAAAGTACACTTGTTCCGTGGACGTTCGGTGGAG
GCACCAAGCTGGAAATCAAACGGGCTGATGCTGCACCAACTGTATCCATCTTC
CCACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTT
GAACAACTTCTACCCAAAG

VK Amino Acid Sequence:

MKLPVRLLVLMFWIPASSS**DVVMTQVPLSLPVSLGDQASISCRSSQRLVHSNGNT**
YLHWFLQKPGQSPKLLIYTVSNRFSGVPDRFSGSGSGTDFTLKISRVEAEDLGVY
FCSQSTLVPWTFGGGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPK

Figure 11-3

111A6

VH DNA Sequence:

ATGAAATGCAGCTGGGTTATGTTCTTCCTGATGGCAGTGGTTACAGGGGTCAA
TTCAGAGGTTCAGCTGCAGCAGTCTGGGGCAGAACTTGTGAAGCCAGGGGCC
TCAGTCAAGTTGTCCTGCACAGCTTCTGGCTTCAAAATTAAAGACACCTATATA
CACTGGGTGATCCAGAGGCCTGCACAGGGCCTGGAATGGATTGGAAGGATTG
ATCCTGCGAATGGTAATACTATTTATGGCTCAAAGTTCCAGGGCAAGGCCACTC
TAACAGCGGACACATCATCCAACACAGCCTACATTCACCTCAGCAGCCTGACA
TCTGGGGACTCTGCCGTCTATTACTGTGCGGGCTACGTTTGGTTTGCTTACTG
GGGCCAAGGGACTCTGGTCACTGTCTCTGCAGCTACAACAACAGCCCCATCC
GTCTTCCCCCTGGCACCA

VH Amino Acid Sequence:

MKCSWVMFFLMAVVTGVNS**EVQLQQSGAELVKPGASVKLSCTAS<u>GFKIKDTY</u>IH
WVIQRPAQGLEWIGR<u>IDPANGNT</u>IYGSKFQGKATLTADTSSNTAYIHLSSLTSGDS
AVYYC<u>AGYVWFAY</u>WGQGTLVTVSA**ATTTAPSVFPLAP

VK DNA sequence1

ATGGATTTTCAGGTGCAGATTTTCAGCTTCTTGCTAATCAGTGCCTCAGTTGCA
ATGTCCAGAGGAGAAAATGTGCTCACCCAGTCTCCAGCAATCATGTCTGCTTCT
CCAGGGGAGAAGGTCACCATGACCTGCAGGGCCAGGTCAAGTGTAAGTTCCA
GTTACTTGCACTGGTACCAGCAGAAGTCAGGTGCCTCCCCCAAACTCTGGATT
TATAGCACATCCAACTTGGCTTCTGGAGTCCCTACTCGCTTCAGTGGCAGTGG
GTCTGGGACCTCTTACTCTCTCACAATCAGCAGTGTGGAGGCTGAAGATGCTG
CCACTTATTACTGCCAGCAGTACAGTGGTTACCCACTCACGTTCGGTGCTGGG
ACCAAGCTGGAGCTGAAACGGGCTGATGCTGCACCAACTGTATCCATCTTCCC
ACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGA
ACAACTTCTACCCCAAG

VK Amino Acid Sequence:

MDFQVQIFSFLLISASVAMSRG**ENVLTQSPAIMSASPGEKVTMTCRAR<u>SSVSSSYL</u>
HWYQQKSGASPKLWIY<u>STS</u>NLASGVPTRFSGSGSGTSYSLTISSVEAEDAATYY
C<u>QQYSGYPLT</u>FGAGTKLELK**RADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPK

Figure 11-4

VK DNA sequence2

ATGAAGTTGCCTGTTAGGCTGTTGGTGCTGATGTTCTGGATTCCTGCCTCCAG
CAGTGATGTTGTGATGACCCAAGTTCCACTCTCCCTGCCTGTCAGTCTTGGAG
ATCAAGCCTCCATCTCTTGCAGATCTAGTCAGAGACTTGTGCACAGTAATGGAA
ACACCTATTTACATTGGTTCTTACAGAAGCCAGGCCAGTCTCCAAAGCTCCTGA
TCTACACAGTTTCCAACCGATTTTCTGGGGTCCCAGACAGGTTCAGTGGCAGT
GGATCAGGGACAGATTTCACACTCAAGATCAGCAGAGTGGAGGCTGAGGATCT
GGGAGTTTATTTCTGCTCTCAAAGTACACTTGTTCCGTGGACGTTCGGTGGAG
GCACCAAGCTGGAAATCAAACGGGCTGATGCTGCACCAACTGTATCCATCTTC
CCACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTT
GAACAACTTCTACCCCAAAG

VK Amino Acid Sequence 2:

MKLPVRLLVLMFWIPASSS**DVVMTQVPLSLPVSLGDQASISCRSSQRLVHSNGNT**
YLHWFLQKPGQSPKLLIYTVSNRFSGVPDRFSGSGSGTDFTLKISRVEAEDLGVY
FCSQSTLVPWTFGGGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPK

131B4

VH DNA Sequence:

ATGAAATGCAGCTGGATTATGTTCTTCCTGATGGCAGTGGTTACAGGGGTCAAT
TCAGAGGTTCAGGTGCAGCAGTCTGGGGCAGAGCTTGTGAAGCCAGGGGCCT
CAGTCAAGTTGTCCTGCACAGCTTCTGGCTTCAAAATTAAGGACACCTATATAC
ACTGGTTAAAACAGAGGCCTGAACAGGGCCTGGAATGGATTGGAAGGATTGAT
CCTGCGAATGGTAATACTATATATGGCTCAAAGTTCCAGGGCAAGGCCACTATA
ACAGCAGACACATCATCCAACACAGCCTACATTCAACTCAGCAGCCTGACATCT
GGGGACACTGCCGTCTATTTTTGTGCGGGCTACGTTTGGTTTGCTTACTGGGG
CCAAGGGACTCTGGTCACTGTCTCTGCAGCCAAAACGACACCCCCATCCGTCT
TCCCCCTGGCC

VH Amino Acid Sequence:

MKCSWIMFFLMAVVTGVNS**EVQVQQSGAELVKPGASVKLSCTASGFKIKDTYIH**
WLKQRPEQGLEWIGRIDPANGNTIYGSKFQGKATITADTSSNTAYIQLSSLTSGDT
AVYFCAGYVWFAYWGQGTLVTVSAAKTTPPSVFPLA

Figure 11-5

VH DNA Sequence 2:

ATGGCTGTCTTGGGGCTGCTCTTCTGCCTGGTGACATTCCCAAGCTGTGTCCT
GTCCCAGGTGCAGCTGAAGCAGTCAGGACCTAGCCTAGTGCAGCCCTCACAG
AGCCTGTCCATAACCTGCACAGTCTCTGGTTTCTCATTAACTAGCTATGGTGTA
CACTGGGTTCGCCAGTCTCCAGGAAAGGGTCTGGAGTGGCTGGGAGTGATAT
GGAGAGGTGGAAGCACAGACTACAATGCAGCTTTCATGTCCAGACTGAGCATC
ACCAAGGACAACTCCAAGAGCCAAGTTTTCTTTAAAATGAACAGTCTGCAAGCT
GATGACACTGCCATATACTACTGTGCCAAAAATTGGGAGTATGATGGTTACTGG
GGGTTTGCTTACTGGGGCCAAGGGACTCTGGTCACTGTCTCTGCAGAGAGTCA
GTCCTTCCCAAATGTCTTCCCCCTCGAA

VH Amino Acid Sequence 2:

MAVLGLLFCLVTFPSCVLS**QVQLKQSGPSLVQPSQSLSITCTVSGFSLTSYGVHW**
VRQSPGKGLEWLGVIWRGGSTDYNAAFMSRLSITKDNSKSQVFFKMNSLQADD
TAIYYCAKNWEYDGYWGFAYWGQGTLVTVSAESQSFPNVFPLE

VH DNA Sequence 3:

ATGGCAGTGGTTACAGGGGTCAATTCAGAGGTTCAGCTGCAGCAGTCTGGGG
CTGAGCTTGTGAGGCCAGGGGCCTCAGTCAAGTTGTCCTGCACAGCTTCTGG
CTTTAACATTAAAGACGACTATATGCACTGGGTGAAGCAGAGGCCTGAACAGG
GCCTGGAGTGGATTGGAAGGATTGATCCTGCGAATGGTAATACTAAATATGCC
CCGAAGTTCCAGGACAAGGCCACTATAACTGCAGACACATCCTCCAACACAGC
CTACCTGCAGCTCAGCAGCCTGACATCTGAGGACACTGCCGTCTATTACTGTG
CTAGAAGCTATGATGGTTCTCTGGGGGACTACTGGGGCCAAGGCACCACTCTC
ACAGTCTCCTCAGAGAGTCAGTCCTTCCCAAATGTCTTCCCCCTCGAG

VH Amino Acid Sequence 3:

MAVVTGVNS**EVQLQQSGAELVRPGASVKLSCTASGFNIKDDYMHWVKQRPEQG**
LEWIGRIDPANGNTKYAPKFQDKATITADTSSNTAYLQLSSLTSEDTAVYYCARS
YDGSLGDYWGQGTTLTVSSESQSFPNVFPLE

Figure 11-6

VK DNA Sequence:

ATGAAGTTGCCTGTTAGGCTGTTGGTGCTGATGTTCTGGATTCCTGCTTCCAGC
AGTGATGCTGTGTTGACCCAAACTCCACTCTCCCTGCCTGTCAGTCTTGGAGA
TCAAGCCTCCATCTCTTGCACATCTAGTCAGAGCCTTGTACACAGTAATGGAAA
CACCTATTTACATTGGTACCTGCAGAAGCCAGGCCAGTCTCCAAAGCTCCTGA
TCTACAAAGTTTCCGACCGATTTTCTGGGGTCCCAGACAGGTTCAGTGGCAGT
GGATCAGGAACAGATTTCACACTCATGATCACCAGAGTGGAGGCTGAGGATCT
GGGAGTTTATTTCTGCTCTCAAAGTTCACTTGTTCCGTGGACGTTCGGTGGAG
GCACCAAGCTGGAAGTCAAACGGGCTGATGCTGCACCAACTGTATCCATCTTC
CCACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTT
GAACAACTTCTACCCCAAA

VK Amino Acid Sequence:

MKLPVRLLVLMFWIPASSS**DAVLTQTPLSLPVSLGDQASISCTSSQSLVHSNGNTY**
LHWYLQKPGQSPKLLIYKVSDRFSGVPDRFSGSGSGTDFTLMITRVEAEDLGVYF
CSQSSLVPWTFGGGTKLEVKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPK

131E8

VH DNA Sequence 1:

ATGGCTGTTTTGGGGCTGCTCTTCTGCCTGGTGACATTCCCAAGCTGTGTCCT
ATCCCAGGTGCAGCTGAAGCAGTCAAGACCTGGCCCAGTGCAGCCCTCACAG
AGCCTGTCCATCACCTGCACAGTCTCTGGTTTCTCATTACCTAACTATGGTGTA
CACTGGGTTCGCCAGCCTCCAGGAAAGGGTCTGGAGTGGCTGGGAGTGATAT
GGAGTGGTGGAAGCACAGACTATAATGCAGCTTTCAAATCCAGACTGAGCATC
AGCAAGGACAACTCCAAGAGCCAAGTTTTCTTTAAAATGAACAGTCTGCAAGCT
GATGACACAGCCATATACTACTGTGCCAGAAATTTTTATAGTAAGTACGACTAT
GCTATGGACTACTGGGGTCAAGGAACCTCAGTCACCGTCTCCTCAGCCAAAAC
AACACCCCCATCCGTCTTCCCCCTGGC

VH Amino Acid Sequence 1:

MAVLGLLFCLVTFPSCVLS**QVQLKQSRPGPVQPSQSLSITCTVSGFSLPNYGVHW**
VRQPPGKGLEWLGVIWSGGSTDYNAAFKSRLSISKDNSKSQVFFKMNSLQADDT
AIYYCARNFYSKYDYAMDYWGQGTSVTVSSAKTTPPSVFPL

Figure 11-7

VH DNA Sequence 2:

ATGTTCTTCTTGGTAGCAACAGCTACAGGTGTCCACTCCCAGGTCCAACTGCA
GCAGCCTGGGTCTGTGCTGGTGAGGCCTGGAGCTTCAGTGAAGCTGTCCTGC
AAGGCTTCTGGCTACACATTCACCAGCTACTGGATGCACTGGGTGAAGCAGAG
GCCGGGACAAGGCCTTGAGTGGATTGGAAATATTAATCCTAATAGTGGTAGTA
CTAACTACAATGAGAAGTTCAAGGGCAAGGCCACACTGACTGTAGACACATCC
TCCAGCACAGCCTACATGGATCTCAGCAGCCTGACATCTGAGGACTCTGCGGT
CTATTACTGTGCAAGACTGGGTGACTACTGGGGCCAAGGCACCACTCTCACAG
TCTCCTCAAAGAGTCAGTCCTCCCCATCCGTCTTCCCCCTG

VH Amino Acid Sequence 2:

MFFLVATATGVHS**QVQLQQPGSVLVRPGASVKLSCKAS<u>GYTFTSYW</u>MHWVKQR
PGQGLEWIGN<u>INPNSGST</u>NYNEKFKGKATLTVDTSSSTAYMDLSSLTSEDSAVYY
C<u>ARLGDY</u>WGQGTTLTVSS**KSQSSPSVFPL

VH DNA Sequence 3:

GCTGTCTTGGGGCTGCTCTTCTGCCTGGTTGCATTTCCAAGCTGTGTCCTGTC
CCAGGTGCAGCTGAAGGAGTCAGGACCTGGCCTGGTGGCGCCCTCACAGAGC
CTGTCCATCACTTGCACTGTCTCTGGGTTTTCATTAACCAGCTATGGTGTACAC
TGGGTTCGCCAGCCTCCAGGAAAGGGTCTGGAGTGGCTGGGAGTAATATGGG
CTGGTGGAAGCACAAATTATAATTCGGCTCTCATGTCCAGACTGAGCATCAGC
AAAGACAACTCCAAGAGCCAAGTTTTCTTAAAAATGAACAGTCTGCAAACTGAT
GACACAGCCATGTACTACTGTGCCAGAGATAGTAACTACTTTGACTACTGGGG
CCAAGGCACCACTCTCACAGTCTCCTCAGAGAGTCAGTCCTTCCCAAATGTCTT
CCCCCTCGTA

VH Amino Acid Sequence 3:

AVLGLLFCLVAFPSCVLS**QVQLKESGPGLVAPSQSLSITCTVS<u>GFSLTSYG</u>VHWV
RQPPGKGLEWLGV<u>IWAGGST</u>NYNSALMSRLSISKDNSKSQVFLKMNSLQTDDT
AMYYC<u>ARDSNYFDY</u>WGQGTTLTVSS**ESQSFPNVFPLV

Figure 11-8

VK DNA Sequence:

ATGGATTTTCAGGTGCAGATTTTCAGCTTCCTGCTAATCAGTGCCTCAGTCATA
ATGTCCAGAGGAGAAAATGTTCTCACCCAGTCTCCAGCAATCATGTCTGCATCT
CCAGGGGAAAAGGTCACCATGACCTGCAGTGCCAGCTCAAGTGTAAGTTACAT
GCACTGGTACCAGCAGAAGTCAAGCACCTCCCCCAAACTCTGGATTTATGACA
CATCCAAACTGGCTTCTGGAGTCCCAGGTCGCTTCAGTGGCAGTGGGTCTGGA
AACTCTTACTCTCTCACGATCAGCAGCATGGAGGCTGAAGATGTTGCCACTTAT
TACTGTTTTCAGGGGAGTGGGTACCCACTCACGTTCGGCTCGGGGACAAAGTT
GGAAATAAAACGGGCTGATGCTGCACCAACTGTATCCATCTTCCCACCATCCA
GTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACTTCT
ACCCCAAA

VK Amino Acid Sequence:

MDFQVQIFSFLLISASVIMSRG**ENVLTQSPAIMSASPGEKVTMTCSASSSVSYMH**
WYQQKSSTSPKLWIYDTSKLASGVPGRFSGSGSGNSYSLTISSMEAEDVATYYC
FQGSGYPLTFGSGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPK

131H1

VH DNA Sequence:

ATGGCTGTCTTGGGGCTGCTCTTCTGCCTGGTGACATTCCCAAGCTGTGTCCT
ATCCCAGGTGCAGCTGAAGCAGTCAGGACCTGGCCTAGTGCAGCCCTCACAG
AGCCTGTCCATCACCTGCACAGTCTCTGGTTTCTCATTAACTAGCTATGGTGTA
CACTGGGTTCGCCAGTCTCCAGGAAAGGGTCTGGAGTGGCTGGGAGTGATAT
GGAGTGGTGGAAGCACAGACTATAATGCAGCTTTCATATCCAGACTGAGCATC
AGCAAGGACAATTCCAAGAGCCAAGTTTTCTTTAAAATGAACAGTCTGCAAGCT
GATGACACAGCCATATATTACTGTGCCAGATCTTATGATTACGACGGGAGGGG
TTACTTTGACTACTGGGGCCAAGGCACCACTCTCACAGTCTCCTCAGAGAGTC
AGTCCTTCCCAAATGTCTTCCCCCTCGTA

VH Amino Acid Sequence:

MAVLGLLFCLVTFPSCVLS**QVQLKQSGPGLVQPSQSLSITCTVSGFSLTSYGVHW**
VRQSPGKGLEWLGVIWSGGSTDYNAAFISRLSISKDNSKSQVFFKMNSLQADDT
AIYYCARSYDYDGRGYFDYWGQGTTLTVSSESQSFPNVFPLV

Figure 11-9

VK DNA Sequence 1:

ATGAGTGTGCTCACTCAGGTCCTGGGGTTGCTGCTGCTGTGGCTTACAGGTGC
CAGATGTGACATCCAGATGACTCAGTCTCCAGCCTCCCTGTCTGCATCTGTGG
GAGAAACTGTCACCATCACATGTCGAGCAAGTGAGAATGTTTACAGATATTTAG
CATGGTATCAGCAGAGACAGGGAAAATCTCCTCAGCTCCTGGTCTATAGTGCA
AAAACCTTAGCAGAAGGTGTGCCATCAAGGTTCAGTGGCAGTGGATCAGGCAC
ACAGTTTTCTCTGAAGATCAACACCCTGCAGCCTGAAGATTTTGGGACTTATTA
CTGTCAACATCATTATAATACTCCTCTCACGTTCGGTGCTGGGACCAAGCTGGA
GCTGAAACGGGCTGATGCTGCACCAACTGTATCCATCTTCCCACCATCCAGTG
AGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACTTCTACC
CCAAA

VK Amino Acid Sequence 1:

MSVLTQVLGLLLLWLTGARC**DIQMTQSPASLSASVGETVTITCRASENVYRYLAW**
YQQRQGKSPQLLVYSAKTLAEGVPSRFSGSGSGTQFSLKINTLQPEDFGTYYCQ
HHYNTPLTFGAGTKLELKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPK

VK DNA Sequence 2:

ATGGTTCTTATATGGCTCCTGCTATGGGTATCTGGTACCTGTGGGGACATTGTG
ATGTCACAGTCTCCATCCTCCCTGGCTGTGTCAGCAGGAGAGAAGGTCACTAT
GAGCTGCAAATCCAGTCAGAGTCTGTTCAACAGTAAAACCCGAAAGAACTACTT
GGCTTGGTTTCAGCAAAAACCAGGGCAGTCTCCTGAACTGCTGATCTACTGGG
CATCCACTAGGAAATCTGGGGTCCCTGATCGCTTCACAGGCAGTGGATCTGGG
ACAGATTTCACTCTCACCATCAGCAGTGTGCAGGCTGAAGACCTGGCAGTTTA
TTACTGCAAGCAATCTTATAATCTGTGGACGTTCGGCGGAGGCACCAAGCTGG
AAATCAAACGGGCTGATGCTGCACCAACTGTATCCATCTTCCCACCATCCAGT
GAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACTTCTAC
CCCAAA

VK Amino Acid Sequence 2:

MVLIWLLLWVSGTCG**DIVMSQSPSSLAVSAGEKVTMSCKSSQSLFNSKTRKNYL**
AWFQQKPGQSPELLIYWASTRKSGVPDRFTGSGSGTDFTLTISSVQAEDLAVYY
CKQSYNLWTFGGGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPK

Figure 11-10

132H4

VH DNA Sequence:

TGAGCTGGGTTTTCCTTGTCCTTATTTTAAAAGGTGTCCAGTGTGAAGTGAAGC
TGGTGGAGTCTGGGGGAGGCTTAGTGAAGCCTGGAGGGTCCCTGAAACTCTC
CTGTGCAGCCTCTGGATTCACTTTCAGTAACTATGCCATGTCTTGGGTTCGCCA
GAATCCGGCGAAGAGGCTGGAGTGGGTCGCAACCATTAGTAGTGGTGGTGCT
AATATTTACTATCCAGACAGTGTGAAGGGCCGATTCATCATCTCCAGAGACAAT
GCCAGGAACACCCTGTACCTGCAAATGAGCAGTCTGAGGTCTGAGGACACGG
CCATGTATTACTGTGCAAGAGGCGACTATTTTAACCACTTCTGGTTTGCTTACT
GGGGCCAAGGGACTCTTGTCACTGTCTCTGCAGCCAAAACAACAGCCCCATCG
GTCTTCCCCCTGGCA

VH Amino Acid Sequence:

SWVFLVLILKGVQC**EVKLVESGGGLVKPGGSLKLSCAASGFTFSNYAMSWVRQN**
PAKRLEWVATISSGGANIYYPDSVKGRFIISRDNARNTLYLQMSSLRSEDTAMYY
CARGDYFNHFWFAYWGQGTLVTVSAAKTTAPSVFPLA

(missing A at the start of the sequence, should be MSWVF)

Figure 11-11

VK DNA Sequence:

ATGAAGTTGCCTGTTAGGCTGTTGGTGCTGATGTTCTGGATTCCTGCTTCCAGC
AGTGATGTTTTGATGACCCAAACTCCACTCTCCCTGCCTGTCAGTCTTGGAGAT
CAAGCCTCCATCTCTTGTAGATCGAGTCAGAGCATTGTACATAGTAATGGAAAC
ACCTATTTAGAATGGTACCTGCAGAAACCAGGCCAGTCTCCAAAGTTCCTGATC
TACAAAGTTTCCAACCGATTTTCAGGGGTCCCAGACAGGTTCAGTGGCAGTGG
ATCAGGGACAGATTTCACACTCAAGATCAACAGAGTGGAGGCTGAGGATCTGG
GAATTTATTACTGCTTTCAGGGTTCACATGTTCCGTGGACGTTCGGTGGAGGC
ACCAAGCTGGAAATCAAACGGGCTGATGCTGCACCAACTGTATCCATCTTCCC
ACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGA

VK Amino Acid Sequence:

MKLPVRLLVLMFWIPASSS**DVLMTQTPLSLPVSLGDQASISCRSSQSIVHSNGNTY**
LEWYLQKPGQSPKFLIYKVSNRFSGVPDRFSGSGSGTDFTLKINRVEAEDLGIYY
CFQGSHVPWTFGGGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFL

(missing last 6 amino acids usually NNFYPK or NNFYPR)

133A6

VH DNA Sequence:

ATGAACTTTGGGTTGAGATTGGTTTTCCTTGTCCTTGTTTTAAAAGGTGTCCAGT
GTGAGGTGAAGCTAGTGGAGTCTGGAGGAGGCTTAGTGAAGCCTGGAGGGTC
CCTGAAACTCTCCTGTGCAGCCTCTGGATTCACTTTCAGTAACTATGCCATGTC
TTGGGTTCGCCAGACTCCGGCGAAGAGGCTGGAGTGGGTCACAACCATTAGT
AGTGGTGGTGGTAACATCTACTATACAGACAGTGTGAAGGGCCGATTCACCGT
CTCCAGAGACAATGCCAGGAACACCCTGTACCTGCAAATGAGCAGTCTGAGGT
CTGAGGACACGGCCATGTATTACTGTGCAAGAGGCGACTATAGTAACTACTTC
TGGTTTGCTTACTGGGGCCAAGGGACTCTGGTCTCTGTCTCTGAAGCCAAAAC
AACAGCCCCATCGGTCTTCCCCCTGGCACCT

VH Amino Acid Sequence:

MNFGLRLVFLVLVLKGVQC**EVKLVESGGGLVKPGGSLKLSCAASGFTFSNYAMS**
WVRQTPAKRLEWVTTISSGGGNIYYTDSVKGRFTVSRDNARNTLYLQMSSLRSE
DTAMYYCARGDYSNYFWFAYWGQGTLVSVSEAKTTAPSVFPLAP

Figure 11-12

VK DNA Sequence:

ATGAAGTTGCCTGTTAGGCTGTTGGTGCTGATGTTCTGGATTCCTGCTTCCAGC
AGTGATGTTTTGATGACCCAAACTCCACTCTCCCTGCCTGTCAGTCTTGGAGAT
CAAGCCTCCATCTCTTGCAGATCTAGTCAGAGCATTGTACATAGTAATGGAAAC
ACCTATTTAGAATGGTACCTGCAGAAACCAGGCCAGTCTCCAAAGCTCCTGAT
CTACAAAGTTTCCAACCGATTTTCTGGGGTCCCAGACAGGTTCAGTGGCAGTG
GATCAGGGACAGATTTCACACTCAAGATCAGCAGAGTGGAGGCTGAGGATCTG
GGAGTTTATTACTGCTTTCAAGGTTCACATGTTCCGTGGACGTTCGGTGGAGG
CACCAAGCTGGAAATCAAACGGGCTGATGCTGCACCAACTGTATCCATCTTCC
CACCATCCAGGGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTG
AACAACTTCTACCCAAAA

VK Amino Acid Sequence:

MKLPVRLLVLMFWIPASSS**DVLMTQTPLSLPVSLGDQASISCRSSQSIVHSNGNTY**
LEWYLQKPGQSPKLLIYKVSNRFSGVPDRFSGSGSGTDFTLKISRVEAEDLGVYY
CFQGSHVPWTFGGGTKLEIKRADAAPTVSIFPPSREQLTSGGASVVCFLNNFYPK

Figure 11-13