311SG438-seql-000001
SEQUENCE LISTING

<110> Agency for Science, Technology and Research

<120> Anti-TIM-3 Antibodies

<130> RIC/FP7158009

<150> GB 1419092.0
<151> 2014-10-27

<150> GB 1419089.6
<151> 2014-10-27

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<170> PatentIn version 3.3

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Asp Ile Gln Met Thr Gln Ser Pro Ser Phe Met Ser Ala Ser Val Gly
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Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Ser Pro Pro
85 90 95

Thr Phe Gly Pro Gly Thr Thr Leu Glu Ile Lys
100 105

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Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Phe Ser Pro Gly
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Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Gly Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Arg Pro Gly Gln Ala Pro Arg Pro Leu Ile
35 40 45

Tyr Asp Ala Thr Asn Arg Ala Thr Gly Ile Pro Thr Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Arg Arg Thr Phe Gly Arg
85 90 95

Gly Thr Lys Leu Glu Ile Lys
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<210> 3
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<213> Homo sapiens

<400> 3

Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
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Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser
20 25 30

Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Gly
85 90 95

Thr His Trp Pro Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Leu Lys
100 105 110

<210> 4
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<213> Homo sapiens

<400> 4

Glu Thr Thr Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
20 25 30

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Tyr Leu Ala Trp Tyr Gln Gln Thr Pro Gly Gln Ala Pro Arg Leu Leu
        35                  40                  45

Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
    50                  55                  60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
65                  70                  75                  80

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
                85                  90                  95

Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
            100                 105
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<400> 5

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Glu Thr Thr Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1               5                   10                  15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
            20                  25                  30

Tyr Leu Ala Trp Tyr Gln Gln Lys Ile Gly Gln Ala Pro Arg Leu Leu
        35                  40                  45

Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
    50                  55                  60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
65                  70                  75                  80

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
                85                  90                  95

Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
            100                 105
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<210> 6
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<400> 6

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Arg Ala Ser Gln Asp Ile Gly Ser Tyr Leu Ala
1               5                   10
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Ala Ala Ser Thr Leu Gln Ser
1 5

<210> 8
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<400> 8

Gln Gln Ser Tyr Ser Ser Pro Pro Thr
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<400> 9

Arg Ala Ser Gln Ser Val Gly Ser Tyr Leu Ala
1 5 10

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Asp Ala Thr Asn Arg Ala Thr
1 5

<210> 11
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<400> 11

Gln His Arg Arg Thr
1 5

<210> 12
<211> 16
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Arg Ser Ser Gln Ser Leu Leu His Ser Asn Gly Tyr Asn Tyr Leu Asp
1 5 10 15

<210> 13
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<400> 13

Leu Gly Ser Asn Arg Ala Ser
1 5

<210> 14
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<400> 14

Met Gln Gly Thr His Trp Pro Pro Thr
1 5

<210> 15
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<213> Homo sapiens

<400> 15

Arg Ala Ser Gln Ser Val Ser Ser Ser Tyr Leu Ala
1 5 10

<210> 16
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<213> Homo sapiens

<400> 16

Gly Ala Ser Ser Arg Ala Thr
1 5

<210> 17
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<213> Homo sapiens

<400> 17

Gln Gln Tyr Gly Ser Ser Pro Ile Thr
1 5

<210> 18

<400> 18
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<212> PRT
<213> Homo sapiens

<400> 19

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

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Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
            20                  25                  30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Ser Pro Gly Val Val Thr Ala Leu Phe Asp Tyr Trp Gly Gln
            100                 105                 110

Gly Thr Leu Val Thr Val Ser Ser
        115                 120
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<210> 20
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<212> PRT
<213> Homo sapiens

<400> 20

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Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Ala Ser Glu
1               5                   10                  15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Gly Ser Ser
            20                  25                  30

Asp Tyr Tyr Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu
        35                  40                  45

Trp Ile Gly Ser Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
    50                  55                  60

Leu Lys Ser Arg Val Thr Met Ser Val Asp Thr Pro Asn Asn Gln Phe
65                  70                  75                  80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
                85                  90                  95

Cys Ala Arg Gly Glu His Arg Gly Glu Phe Asp Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
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<210> 21
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<212> PRT
<213> Homo sapiens

<400> 21

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gly
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

Asn Trp Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
35 40 45

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu
50 55 60

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser
65 70 75 80

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Val Ala Val Ala Gly Thr Val Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 22
<211> 123
<212> PRT
<213> Homo sapiens

<400> 22

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

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Ala Arg Asp Gln Tyr Ser Ser Gly Trp Tyr Tyr Tyr Gly Met Asp Val
            100                 105                 110

Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
        115                 120
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<210> 23
<211> 123
<212> PRT
<213> Homo sapiens

<400> 23

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Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
            20                  25                  30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Leu Tyr Ser Tyr Gly Phe Tyr Tyr Tyr Gly Met Asp Val
            100                 105                 110

Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
        115                 120
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<210> 24
<211> 10
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<213> Homo sapiens

<400> 24

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Gly Tyr Thr Phe Thr Ser Tyr Tyr Met His
1               5                   10
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<210> 25
<211> 17
<212> PRT
<213> Homo sapiens

<400> 25

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Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe Gln
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1 5 10 15

Gly

<210> 26
<211> 11
<212> PRT
<213> Homo sapiens

<400> 26

Ser Pro Gly Val Val Thr Ala Leu Phe Asp Tyr
1 5 10

<210> 27
<211> 12
<212> PRT
<213> Homo sapiens

<400> 27

Gly Gly Ser Ile Gly Ser Ser Asp Tyr Tyr Trp Gly
1 5 10

<210> 28
<211> 16
<212> PRT
<213> Homo sapiens

<400> 28

Ser Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 29
<211> 9
<212> PRT
<213> Homo sapiens

<400> 29

Gly Glu His Arg Gly Glu Phe Asp Tyr
1 5

<210> 30
<211> 11
<212> PRT
<213> Homo sapiens

<400> 30

Gly Gly Ser Ile Ser Ser Ser Asn Trp Trp Ser
1 5 10

<210> 31
<211> 16
<212> PRT
<213> Homo sapiens

<400> 31

Glu Ile Tyr His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 32
<211> 10
<212> PRT
<213> Homo sapiens

<400> 32

Val Val Ala Val Ala Gly Thr Val Asp Tyr
1 5 10

<210> 33
<211> 14
<212> PRT
<213> Homo sapiens

<400> 33

Asp Gln Tyr Ser Ser Gly Trp Tyr Tyr Tyr Gly Met Asp Val
1 5 10

<210> 34
<211> 14
<212> PRT
<213> Homo sapiens

<400> 34

Asp Leu Tyr Ser Tyr Gly Phe Tyr Tyr Tyr Gly Met Asp Val
1 5 10

<210> 35
<211> 321
<212> DNA
<213> Homo sapiens

<400> 35
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atcacttgcc gggccagtca ggacattggc agttatttag cctggtatca gcaaaaacca 120

gggaaagccc ctaaactcct gatctatgct gcatccactt tgcaaagtgg ggtcccatca 180

aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcaacag tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agttacagtt cccctccgac tttcggccct 300

gggaccacat tggagatcaa a 321

<210> 36
<211> 309
<212> DNA
<213> Homo sapiens

<400> 36
gaaattgtgc tgactcagtc tccagccacc ctgtcttttt ctccgggtga aagagccacc 60

ctctcctgca gggccagtca gagtgttggc agctacttag cctggtacca gcagagacct 120

ggccaggctc ccaggccccc catctatgat gcaaccaaca gggccactgg catcccaacc 180

aggttcagtg gcagtgggtc tgggacagac ttcactctca ccatcagcag cctagagcct 240

gaagattttg caacttatta ctgtcaacac cgaaggactt ttggccgggg gaccaagttg 300

gagatcaaa 309

<210> 37
<211> 336
<212> DNA
<213> Homo sapiens

<400> 37
gatgttgtga tgactcagtc tccactctcc ctgcccgtca cccctggaga gccggcctcc 60

atctcctgca ggtctagtca gagcctccta catagtaatg gatacaacta tttggattgg 120

tacctgcaga agccagggca gtctccacag ctcctgatct atttgggttc taatcgggcc 180

tccggggtcc ctgacaggtt cagtggcagt ggatcaggca cagattttac actgaaaatc 240

agcagggtgg aggctgagga tgttggggtt tattactgca tgcaaggtac acactggcct 300

ccgacgttcg gccaagggac caaggtggaa ctcaaa 336

<210> 38
<211> 324
<212> DNA
<213> Homo sapiens

<400> 38
gaaacgacac tcacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc 60

ctctcctgca gggccagtca gagtgttagc agcagctact tagcctggta ccagcagaca 120

cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca 180

gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240

cctgaagatt ttgcagtgta ttactgtcag cagtatggta gctcacccat caccttcggc 300

caagggacac gactggagat taaa 324

<210> 39
<211> 324
<212> DNA
<213> Homo sapiens

<400> 39
gaaacgacac tcacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc 60

ctctcctgca gggccagtca gagtgttagc agcagctact tagcctggta ccagcaaaaa 120

attggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca 180

gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240

cctgaagatt ttgcagtgta ttactgtcag cagtatggta gctcaccaat caccttcggc 300

caagggacac gactggagat taaa 324

<210> 40
<211> 360
<212> DNA

<213> Homo sapiens

<400> 40
caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtt 60

tcctgcaagg catctggata caccttcacc agctactata tgcactgggt gcgacaggcc 120

cctggacaag ggcttgagtg gatgggaata atcaacccta gtggtggtag cacaagctac 180

gcacagaagt tccagggcag agtcaccatg accagggaca cgtccacgag cacagtctac 240

atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaagccct 300

ggggtggtga ctgccctctt tgactactgg ggccagggaa ccctggtcac cgtctcaagc 360

<210> 41
<211> 357
<212> DNA
<213> Homo sapiens

<400> 41
caggtgcagc tgcaggagtc gggcccagga ctggtgaagg cttcggagac cctgtccctc 60

acctgcactg tctctggtgg ctccatcggc agtagtgatt actactgggg ctggatccgc 120

cagccccag ggaagggact ggagtggatt gggagtatct attatagtgg gagcacctac 180

tacaaccct ccctcaagag tcgagtcacc atgtcagtag acacgcccaa caatcagttc 240

tccctgaagc tgagctctgt gaccgctgcg gacacggccg tgtattactg tgcgagagga 300

gaacatagag gggaatttga ctactggggc cagggcaccc tggtcaccgt ctcaagc 357

<210> 42
<211> 357
<212> DNA
<213> Homo sapiens

<400> 42
caggtgcagc tgcaggagtc cggcccagga ctggtgaagc cttcggggac cctgtccctc 60

acctgcgctg tctctggtgg ctccattagc agtagtaact ggtggagttg ggtccgccag 120

cccccaggga aggggctgga gtggattggg gaaatctatc atagtgggag caccaactac 180

aacccgtccc tcaagagtcg agtcaccata tcagtagaca agtccaagaa ccagttctcc 240

ctgaagctga gctctgtgac cgccgcggac acggccgtgt attactgtgc gagagtagta 300

gcagtggctg gtacggttga ctactggggc cagggaaccc tggtcaccgt ctcaagc 357

<210> 43
<211> 369
<212> DNA
<213> Homo sapiens

<400> 43
gaggtccagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtt 60

tcctgcaagg catctggata caccttcacc agctactata tgcactgggt gcgacaggcc 120

cctggacaag ggcttgagtg gatgggaata atcaacccta gtggtggtag cacaagctac 180

gcacagaagt tccagggcag agtcaccatg accagggaca cgtccacgag cacagtctac 240

atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagagatcag 300

tatagcagtg gctggtacta ctacggtatg gacgtctggg gccaagggac cacggtcacc 360

gtctcaagc 369

<210> 44
<211> 369
<212> DNA
<213> Homo sapiens

<400> 44
caggtacagc tgcagcagtc aggggctgag gtgaagaagc ctggggcctc agtgaaggtt 60

tcctgcaagg catctggata caccttcacc agctactata tgcactgggt gcgacaggcc 120

cctggacaag ggcttgagtg gatgggaata atcaacccta gtggtggtag cacaagctac 180

gcacagaagt tccagggcag agtcaccatg accagggaca cgtccacgag cacagtctac 240

atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagagattta 300

tacagctatg gtttttacta ctacggtatg gacgtctggg gccaagggac cacggtcacc 360

gtctcaagc 369

<210> 45
<211> 110
<212> PRT
<213> Homo sapiens

<400> 45

Gln Ser Val Val Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln
1 5 10 15

Lys Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn
20 25 30

Tyr Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Gly Asn Asn Trp Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Thr Leu Ala Ile Ser Gly Leu Gln
65 70 75 80

Thr Gly Asp Glu Ala Asp Tyr Tyr Cys Glu Thr Trp Asp Ser Ser Leu
85 90 95

Ser Ala Gly Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 46
<211> 110
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic sequence: Light chain variable domain sequence for anti-TIM-3 antibody A11_gI

<400> 46

Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln
1 5 10 15

Lys Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn
20 25 30

Tyr Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Gly Asn Asn Trp Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln
65 70 75 80

Thr Gly Asp Glu Ala Asp Tyr Tyr Cys Glu Thr Trp Asp Ser Ser Leu
85 90 95

Ser Ala Gly Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 47
<211> 13
<212> PRT
<213> Homo sapiens

<400> 47

Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn Tyr Val Ser
1 5 10

<210> 48
<211> 7
<212> PRT
<213> Homo sapiens

<400> 48

Gly Asn Asn Trp Arg Pro Ser
1 5

<210> 49
<211> 11
<212> PRT
<213> Homo sapiens

<400> 49

Glu Thr Trp Asp Ser Ser Leu Ser Ala Gly Val
1 5 10

<210> 50

<211> 116
<212> PRT
<213> Homo sapiens

<400> 50

Gln Val Gln Leu Gln Gln Trp Gly Ala Gly Leu Leu Lys Pro Ser Glu
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr
20 25 30

Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
50 55 60

Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu
65 70 75 80

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Gly Tyr Val Ala Gly Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 51
<211> 116
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic sequence: Heavy chain variable domain sequence for anti-TIM-3 antibody clone A11_gI

<400> 51

Gln Val Gln Leu Gln Gln Trp Gly Ala Gly Leu Leu Lys Pro Ser Glu
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr
20 25 30

Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
50 55 60

Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu
65 70 75 80

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Gly Tyr Val Ala Gly Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 52
<211> 10
<212> PRT
<213> Homo sapiens

<400> 52

Gly Gly Ser Phe Ser Gly Tyr Tyr Trp Ser
1 5 10

<210> 53
<211> 16
<212> PRT
<213> Homo sapiens

<400> 53

Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 54
<211> 8
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<213> Homo sapiens

<400> 54

Gly Tyr Val Ala Gly Phe Asp Tyr
1 5

<210> 55
<211> 330
<212> DNA
<213> Homo sapiens

<400> 55
cagtctgtcg tgacgcagcc gccctcagtg tctgcggccc caggacagaa agtcaccatc 60

tcctgctctg gaagcagctc caacattggg aataattatg tatcctggta ccagcagctc 120

ccaggaacag cccccaaact cctcatttat ggcaataatt ggcgaccctc agggattcct 180

gaccgcttct ctggctccaa gtctggcacc tcagccaccc tggccatcag cggacttcag 240

actggggacg aggccgatta ttactgcgaa acatgggata gcagcctgag tgctggggta 300

ttcggcggag ggaccaagct gaccgtccta 330

<210> 56
<211> 330
<212> DNA

<213> Artificial sequence

<220>
<223> Synthetic sequence: Nucleotide sequence of heavy chain variable domain sequence for anti-TIM-3 antibody clone A11_gI

<400> 56
cagtctgtgt tgacgcagcc gccctcagtg tctgcggccc caggacagaa agtcaccatc 60

tcctgctctg gaagcagctc caacattggg aataattatg tatcctggta ccagcagctc 120

ccaggaacag cccccaaact cctcatttat ggcaataatt ggcgaccctc agggattcct 180

gaccgcttct ctggctccaa gtctggcacc tcagccaccc tgggcatcac cggacttcag 240

actggggacg aggccgatta ttactgcgaa acatgggata gcagcctgag tgctggggta 300

ttcggcggag gaccaagct gaccgtccta 330

<210> 57
<211> 348
<212> DNA
<213> Homo sapiens

<400> 57
caggtgcagc tacagcagtg gggcgcagga ctgttgaagc cttcggagac cctgtccctc 60

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