SEQUENCE LISTING

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<120> Anti-CCL17 antibodies

<130> JBI5040WOPCT

<140> To be assigned
<141> 2014-11-06

<150> 61/900,596
<151> 2013-11-06

<160> 76

<170> PatentIn version 3.5

<210> 1
<211> 71
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<213> Homo sapiens

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Ala Arg Gly Thr Asn Val Gly Arg Glu Cys Cys Leu Glu Tyr Phe Lys
1 5 10 15

Gly Ala Ile Pro Leu Arg Lys Leu Lys Thr Trp Tyr Gln Thr Ser Glu
20 25 30

Asp Cys Ser Arg Asp Ala Ile Val Phe Val Thr Val Gln Gly Arg Ala
35 40 45

Ile Cys Ser Asp Pro Asn Asn Lys Arg Val Lys Asn Ala Val Lys Tyr
50 55 60

Leu Gln Ser Leu Glu Arg Ser
65 70

<210> 2
<211> 72
<212> PRT
<213> Macaca fascicularis

<400> 2

Met Ala Arg Gly Thr Asn Val Gly Arg Glu Cys Cys Leu Lys Tyr Phe
1 5 10 15

Lys Gly Ala Ile Pro Leu Arg Lys Leu Lys Thr Trp Tyr Gln Thr Ser
20 25 30

Glu Asp Cys Ser Arg Asp Ala Ile Val Phe Val Thr Val Gln Asn Lys
        35   40   45

Ala Ile Cys Ser Asp Pro Asn Asp Lys Lys Val Lys Lys Ala Leu Lys
    50   55   60

Tyr Leu Gln Ser Leu Glu Arg Ser
65   70

<210> 3
<211> 69
<212> PRT
<213> Macaca fascicularis

<400> 3

Gly Pro Tyr Gly Ala Asn Met Glu Asp Ser Val Cys Cys Arg Asp Tyr
1   5   10   15

Val Arg Tyr Arg Met Pro Leu Arg Val Val Lys His Phe Tyr Trp Thr
            20   25   30

Ser Asp Ser Cys Pro Arg Pro Gly Val Val Leu Leu Thr Ser Arg Asp
        35   40   45

Lys Glu Ile Cys Ala Asp Pro Arg Val Pro Trp Val Lys Met Ile Leu
    50   55   60

Asn Lys Leu Ser Gln
65

<210> 4
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<220>
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<400> 4

Ser Tyr Trp Ile Gly
1   5

<210> 5
<211> 17
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<213> Artificial sequence

<220>
<223> HCDR2 of C17F24

<400> 5

Ile Ile Asp Pro Ser Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe Gln
1   5   10   15

Gly

<210> 6
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> HCDR3 of C17F24

<400> 6

Val Gly Pro Ala Asp Val Trp Asp Ser Phe Asp Tyr
1 5 10

<210> 7
<211> 17
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<220>
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<400> 7

Lys Ser Ser Gln Ser Val Leu Tyr Ser Ser Asn Asn Lys Asn Tyr Leu
1 5 10 15

Ala

<210> 8
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR1 of C17B234

<400> 8

Lys Ser Ser Gln Ser Val Leu Leu Ser Phe Asp Asn Ile Asn Lys Leu
1 5 10 15

Ala

<210> 9
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR1 fo C17B235

<400> 9

Lys Ser Ser Gln Ser Val Leu Tyr Ser Phe Tyr Asn Phe Asn Ala Leu
1 5 10 15

Ala

<210> 10
<211> 17
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<213> Artificial sequence

<220>
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<400> 10

Lys Ser Ser Gln Ser Val Leu Leu Ser Pro Trp Asn Ser Asn Gln Leu
1 5 10 15

Ala

<210> 11
<211> 17
<212> PRT
<213> Artificial sequence

<220>
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<400> 11

Lys Ser Ser Gln Ser Val Leu Thr Ser Tyr Asn Asn Ser Asn Tyr Leu
1 5 10 15

Ala

<210> 12
<211> 17
<212> PRT
<213> Artificial sequence

<220>
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<400> 12

Lys Ser Ser Gln Ser Val Leu Ile Ser Ala Phe Asn Gln Asn Pro Leu
1 5 10 15

Ala

<210> 13
<211> 17
<212> PRT
<213> Artificial sequence

<220>
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<400> 13

Lys Ser Ser Gln Ser Val Leu Ser Ser Phe Thr Asn Thr Asn Thr Leu
1 5 10 15

Ala

<210> 14
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR1 of C17B240

<400> 14

Lys Ser Ser Gln Ser Val Leu Tyr Ser His Val Asn Tyr Asn Ala Leu
1 5 10 15

Ala

<210> 15
<211> 17
<212> PRT
<213> Artificial sequence

<220>
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<400> 15

Lys Ser Ser Gln Ser Val Leu Asn Ser Phe Thr Asn Asn Asn Ala Leu
1 5 10 15

Ala

<210> 16
<211> 17
<212> PRT
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<220>
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<400> 16

Lys Ser Ser Gln Ser Val Leu Phe Ser His Asp Asn Leu Asn Thr Leu
1 5 10 15

Ala

<210> 17
<211> 17
<212> PRT
<213> Artificial sequence

<220>
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<400> 17

Lys Ser Ser Gln Ser Val Leu Asn Ser Phe Asp Asn Lys Asn Asp Leu
1 5 10 15

Ala

<210> 18
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR1 of C17B244

<400> 18

Lys Ser Ser Gln Ser Val Leu Ser Ser Ile Thr Asn Val Asn Asp Leu
1 5 10 15

Ala

<210> 19
<211> 7
<212> PRT
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<220>
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<400> 19

Trp Ala Ser Thr Arg Glu Ser
1 5

<210> 20
<211> 7
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<220>
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<400> 20

Asn Ala Ser Thr Arg Glu Ser
1 5

<210> 21
<211> 7
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<220>
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<400> 21

His Ala Ser Thr Arg Glu Ser
1 5

<210> 22

<211> 7
<212> PRT
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<220>
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<400> 22

Gly Ala Ser Thr Arg Glu Ser
1 5

<210> 23
<211> 7
<212> PRT
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<220>
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<400> 23

Leu Ala Ser Thr Arg Glu Ser
1 5

<210> 24
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR2 of C17B238

<400> 24

Asp Ala Ser Thr Arg Glu Ser
1 5

<210> 25
<211> 7
<212> PRT
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<220>
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<400> 25

Glu Ala Ser Thr Arg Glu Ser
1 5

<210> 26
<211> 7
<212> PRT
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<220>
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<400> 26

Thr Ala Ser Thr Arg Glu Ser
1 5

<210> 27
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR3 of C17F24

<400> 27

Gln Gln Tyr Tyr Ser Thr Pro Leu Thr
1 5

<210> 28
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR3 of C17B234

<400> 28

Gln Gln Phe Tyr Ser Val Pro Ser Thr
1 5

<210> 29
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR3 of C17B235

<400> 29

Gln Gln Phe Tyr Ala Thr Pro Phe Thr
1 5

<210> 30
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR3 of C17B236

<400> 30

Gln Gln Tyr Tyr Leu Ile Pro Ser Thr
1 5

<210> 31
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR3 of C17B237

<400> 31

Gln Gln Tyr Leu Ser Pro Pro Ser Thr
1 5

<210> 32
<211> 9
<212> PRT
<213> Artificial sequence

<220>
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<400> 32

Gln Gln Tyr Gln Phe Ile Pro Phe Thr
1 5

<210> 33
<211> 9
<212> PRT
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<220>
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<400> 33

Gln Gln Tyr Leu Ile Tyr Pro Ser Thr
1 5

<210> 34
<211> 9
<212> PRT
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<220>
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<400> 34

Gln Gln Tyr Tyr Thr Leu Pro Ala Thr
1 5

<210> 35
<211> 9
<212> PRT
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<220>
<223> LCDR3 of C17B241

<400> 35

Gln Gln Thr Asn Ser Ile Pro Leu Thr
1 5

<210> 36
<211> 9
<212> PRT
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<220>
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<400> 36

Gln Gln Tyr Tyr Ala Val Pro Gln Thr
1 5

<210> 37
<211> 9
<212> PRT
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<220>
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<400> 37

Gln Gln His Trp Gln Thr Pro Leu Thr
1 5

<210> 38
<211> 9
<212> PRT
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<220>
<223> LCDR3 of C17B244

<400> 38

Gln Gln Tyr Tyr His Asp Pro Phe Thr
1 5

<210> 39
<211> 7
<212> PRT
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<220>
<223> LCDR2 of C17B257

<400> 39

Ala Ala Ser Thr Arg Glu Ser
1 5

<210> 40
<211> 7
<212> PRT
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<220>
<223> LCDR2 of C17B262

<400> 40

Ser Ala Ser Thr Arg Glu Ser
1 5

<210> 41
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR2 fo C17B264

<400> 41

Ile Ala Ser Thr Arg Glu Ser

1 5

<210> 42
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> HCDR3 of C17B293

<400> 42

Val Gly Pro Ala Asp Val Trp Asp Ala Phe Asp Tyr
1 5 10

<210> 43
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> HCDR3 of C17B294

<400> 43

Val Gly Pro Ala Asp Val Trp Asp Thr Phe Asp Tyr
1 5 10

<210> 44
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> HCDR3 of C17B295

<400> 44

Val Gly Pro Ala Asp Val Trp Glu Ser Phe Asp Tyr
1 5 10

<210> 45
<211> 121
<212> PRT
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<220>
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C17B237, C17B238, C17B239, C17B240, C17B241,
C17B242, C17B243, C17B244, C17B257, C17B258,
C17B260, C17B262, C17B266, C17B264

<400> 45

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
20 25 30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

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

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
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<210> 46
<211> 121
<212> PRT
<213> Artificial sequence

<220>
<223> VH of C17M293

<400> 46

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
            20                  25                  30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
        35                  40                  45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

Ala Arg Val Gly Pro Ala Asp Val Trp Asp Ala Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
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<210> 47
<211> 121
<212> PRT
<213> Artificial sequence

<220>

<223> VH of C17B294

<400> 47

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
            20                  25                  30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
        35                  40                  45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

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

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
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<210> 48
<211> 121
<212> PRT
<213> Artificial sequence

<220>
<223> VH of C17B295

<400> 48

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
            20                  25                  30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
        35                  40                  45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95
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Ala Arg Val Gly Pro Ala Asp Val Trp Glu Ser Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 49
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17F24

<400> 49

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

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
20 25 30

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

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Ser Thr Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 50
<211> 113
<212> PRT
<213> Artificial sequence

<220>
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<400> 50

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

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35   40   45

Pro Pro Lys Leu Leu Ile Tyr Asn Ala Ser Thr Arg Glu Ser Gly Val
    50   55   60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65   70   75   80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
                85   90   95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
            100   105   110

Lys

<210> 51
<211> 113
<212> PRT
<213> Artificial sequence

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<400> 51

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

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
            20   25   30

Phe Tyr Asn Phe Asn Ala Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35   40   45

Pro Pro Lys Leu Leu Ile Tyr His Ala Ser Thr Arg Glu Ser Gly Val
    50   55   60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65   70   75   80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
                85   90   95

Phe Tyr Ala Thr Pro Phe Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
            100   105   110

Lys

<210> 52
<211> 113
<212> PRT

<213> Artificial sequence

<220>
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<400> 52

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

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

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

Pro Pro Lys Leu Leu Ile Tyr Gly Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Leu Ile Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 53
<211> 113
<212> PRT
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<220>
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<400> 53

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

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

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

Pro Pro Lys Leu Leu Ile Tyr Leu Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Leu Ser Pro Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 54
<211> 113
<212> PRT
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<220>
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<400> 54

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

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

Ala Phe Asn Gln Asn Pro Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Asp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Gln Phe Ile Pro Phe Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 55
<211> 113
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<220>
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<400> 55

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

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Ser Ser

20 25 30

Phe Thr Asn Thr Asn Thr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr His Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Leu Ile Tyr Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 56
<211> 113
<212> PRT
<213> Artificial sequence

<220>
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<400> 56

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

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
20 25 30

His Val Asn Tyr Asn Ala Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Asn Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Thr Leu Pro Ala Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 57
<211> 113
<212> PRT
<213> Artificial sequence

<220>
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<400> 57

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

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

Phe Thr Asn Asn Asn Ala Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Glu Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Thr Asn Ser Ile Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 58
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B242

<400> 58

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

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Phe Ser
20 25 30

His Asp Asn Leu Asn Thr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr His Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr

65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Ala Val Pro Gln Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 59
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<212> PRT
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<220>
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<400> 59

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

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

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

Pro Pro Lys Leu Leu Ile Tyr Glu Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

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

Lys

<210> 60
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<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B244

<400> 60

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

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

Ile Thr Asn Val Asn Asp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35                  40                  45

Pro Pro Lys Leu Leu Ile Tyr Thr Ala Ser Thr Arg Glu Ser Gly Val
    50                  55                  60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65                  70                  75                  80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
                85                  90                  95

Tyr Tyr His Asp Pro Phe Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
            100                 105                 110

Lys
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<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B257

<400> 61

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

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35                  40                  45

Pro Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Arg Glu Ser Gly Val
    50                  55                  60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65                  70                  75                  80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
                85                  90                  95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
            100                 105                 110

Lys
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<210> 62
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B258

<400> 62

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

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Asp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 63
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B260

<400> 63

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

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Gly Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 64
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B262

<400> 64

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

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Ser Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 65
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B263

<400> 65

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

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Thr Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 66
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL of C17B264

<400> 66

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

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Ile Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 67
<211> 447
<212> PRT
<213> Artificial sequence

<220>
<223> CB302 HC

<400> 67

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
20 25 30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Val Gly Pro Ala Asp Val Trp Asp Ala Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Thr Ser Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys Asn Val Asp His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Thr Val Glu Arg Lys Cys Cys

```
    210                 215                 220

Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Ala Ala Ala Ser Ser Val
225                 230                 235                 240

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
                245                 250                 255

Pro Glu Val Thr Cys Val Val Val Asp Val Ser Ala Glu Asp Pro Glu
            260                 265                 270

Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
        275                 280                 285

Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser
    290                 295                 300

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
305                 310                 315                 320

Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile
                325                 330                 335

Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
            340                 345                 350

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
        355                 360                 365

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
    370                 375                 380

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser
385                 390                 395                 400

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
                405                 410                 415

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
            420                 425                 430

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440                 445


<210>  68
<211>  220
<212>  PRT
<213>  Artificial sequence

<220>
<223>  CB302 LC

<400>  68
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```
Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1               5                  10                  15

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35                  40                  45

Pro Pro Lys Leu Leu Ile Tyr Asp Ala Ser Thr Arg Glu Ser Gly Val
    50                  55                  60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65                  70                  75                  80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
                85                  90                  95

Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
            100                 105                 110

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
        115                 120                 125

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
    130                 135                 140

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
145                 150                 155                 160

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
                165                 170                 175

Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
            180                 185                 190

Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
        195                 200                 205

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
    210                 215                 220
```

<210> 69
<211> 447
<212> PRT
<213> Artificial sequence

<220>
<223> CB301 HC

<400> 69

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

```
Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
            20                  25                  30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
        35                  40                  45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

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

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
        115                 120                 125

Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala
    130                 135                 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145                 150                 155                 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
                165                 170                 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
            180                 185                 190

Thr Ser Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys Asn Val Asp His
        195                 200                 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Thr Val Glu Arg Lys Cys Cys
    210                 215                 220

Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Ala Ala Ala Ser Ser Val
225                 230                 235                 240

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
                245                 250                 255

Pro Glu Val Thr Cys Val Val Val Asp Val Ser Ala Glu Asp Pro Glu
            260                 265                 270

Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
        275                 280                 285
```

```
Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser
    290                 295                 300

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
305                 310                 315                 320

Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile
                325                 330                 335

Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
            340                 345                 350

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
        355                 360                 365

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
    370                 375                 380

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser
385                 390                 395                 400

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
                405                 410                 415

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
            420                 425                 430

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440                 445
```

<210> 70
<211> 220
<212> PRT
<213> Artificial sequence

<220>
<223> CB301 LC

<400> 70

```
Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1               5                   10                  15

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

Phe Asp Asn Ile Asn Lys Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35                  40                  45

Pro Pro Lys Leu Leu Ile Tyr Asp Ala Ser Thr Arg Glu Ser Gly Val
    50                  55                  60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65                  70                  75                  80
```

```
Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
                85                  90                  95


Phe Tyr Ser Val Pro Ser Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
            100                 105                 110


Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
        115                 120                 125


Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
    130                 135                 140


Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
145                 150                 155                 160


Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
                165                 170                 175


Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
            180                 185                 190


Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
        195                 200                 205


Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
    210                 215                 220


<210>  71
<211>  12
<212>  PRT
<213>  Artificial sequence

<220>
<223>  HCDR3 consensus sequence


<220>
<221>  MISC_FEATURE
<222>  (9)..(9)
<223>  Xaa may be Ser, Ala or Thr

<400>  71

Val Gly Pro Ala Asp Val Trp Asp Xaa Phe Asp Tyr
1               5                   10


<210>  72
<211>  17
<212>  PRT
<213>  Artificial sequence

<220>
<223>  LCDR1 consensus sequence


<220>
<221>  MISC_FEATURE
<222>  (8)..(8)
```

<223> Xaa may be Leu, Tyr, Ser or Asn

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa may be Phe, Pro, His or Ile

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> Xaa may be Asp, Tyr, Trp, Thr or Val

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa may be Ile, Phe, Ser, Thr, Tyr, Asn, Lys or Val

<220>
<221> MISC_FEATURE
<222> (15)..(15)
<223> Xaa may be Lys, Ala, Qln, Thr or Asp

<400> 72

Lys Ser Ser Gln Ser Val Leu Xaa Ser Xaa Xaa Asn Xaa Asn Xaa Leu
1 5 10 15

Ala

<210> 73
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR2 consensus sequence

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa may be Asn, His, Gly, Glu, Thr or Asp

<400> 73

Xaa Ala Ser Thr Arg Glu
1 5

<210> 74
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> LCDR3 consensus sequence

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa may be Phe, Tyr, Thr or His

<220>
<221> MISC_FEATURE
<222> (4)..(4)

<223> Xaa may be Tyr, Leu, Asn or Trp

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa may be Ser, Ala, Leu, Ile, Thr, Qln or His

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa may be Val, Thr, Ile, Tyr, Leu or Asp

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> Xaa may be Ser, Phe, Ala or Leu

<400> 74

Gln Gln Xaa Xaa Xaa Xaa Pro Xaa Thr
1   5

<210> 75
<211> 121
<212> PRT
<213> Artificial sequence

<220>
<223> VH consensus sequence

<220>
<221> MISC_FEATURE
<222> (107)..(107)
<223> Xaa may be Ser, Ala or Thr

<400> 75

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
            20   25   30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
        35   40   45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65   70   75   80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85   90   95

Ala Arg Val Gly Pro Ala Asp Val Trp Asp Xaa Phe Asp Tyr Trp Gly
            100   105   110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115   120

<210> 76
<211> 113
<212> PRT
<213> Artificial sequence

<220>
<223> VL consensus sequence

<220>
<221> MISC_FEATURE
<222> (31)..(31)
<223> Xaa may be Leu, Tyr, Ser or Asn

<220>
<221> MISC_FEATURE
<222> (33)..(33)
<223> Xaa may be Phe,Pro, His or Ile

<220>
<221> MISC_FEATURE
<222> (34)..(34)
<223> Xaa may be Asp, Tyr, Trp, Thr or Val

<220>
<221> MISC_FEATURE
<222> (36)..(36)
<223> Xaa may be Ile, Phe, Ser, Thr, Tyr, Asn, Lys or Val

<220>
<221> MISC_FEATURE
<222> (38)..(38)
<223> Xaa may be Lys, Ala, Qln, Thr or Asp

<220>
<221> MISC_FEATURE
<222> (56)..(56)
<223> Xaa may be Asn, His, Gly, Glu, Thr or Asp

<220>
<221> MISC_FEATURE
<222> (97)..(97)
<223> Xaa may be Phe, Tyr, Thr or His

<220>
<221> MISC_FEATURE
<222> (98)..(98)
<223> Xaa may be Tyr, Leu, Asn or Trp

<220>
<221> MISC_FEATURE
<222> (99)..(99)
<223> Xaa may be Ser, Ala, Leu, Ile, Thr, Qln or His

<220>
<221> MISC_FEATURE
<222> (100)..(100)
<223> Xaa may be Val, Thr, Ile, Tyr, Leu or Asp

<220>
<221> MISC_FEATURE
<222> (102)..(102)
<223> Xaa may be Ser, Phe, Ala or Leu

<400> 76

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly

```
1               5                   10                  15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Xaa Ser
            20                  25                  30

Xaa Xaa Asn Xaa Asn Xaa Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35                  40                  45

Pro Pro Lys Leu Leu Ile Tyr Xaa Ala Ser Thr Arg Glu Ser Gly Val
    50                  55                  60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65                  70                  75                  80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
                85                  90                  95

Xaa Xaa Xaa Xaa Pro Xaa Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
            100                 105                 110

Lys
```