SEQUENCE LISTING

<110> Psioxus Therapeutics

<120> Membrane immunomodulators

<130> P000145_WO

<150> GB1507419.8
<151> 2015-04-30

<160> 109

<170> PatentIn version 3.5

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<223> By DNA sequence corresponding to and including bp 29345-29379 of the EnAd genome.

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Pro Phe Lys Val Val Val Ile Ser Ala Ile Leu Ala Leu Val Val Leu
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Thr Ile Ile Ser Leu Ile Ile Leu Ile Met Leu Trp Gln Lys Pro Arg
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<220>
<223> SPLICE ACCEPTOR SEQUENCE

<400> 3
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<223> poly adenylation sequence (SV40 late polyA sequence)

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<223> Internal Ribosome Entry Sequence (IRES)

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<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> High efficiency self-cleavable P2A peptide sequence

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Gly Ser Gly Ala Thr Asn Phe Ser Leu Leu Lys Gln Ala Gly Asp Val
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Glu Glu Asn Pro Gly Pro
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<210> 8
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<213> Artificial Sequence

<220>
<223> High efficiency self-cleavable F2A peptide sequence

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Glu Asn Pro Gly Pro
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<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> High efficiency self-cleavable E2A peptide sequence

<400> 9

Gly Ser Gly Gln Cys Thr Asn Tyr Ala Leu Leu Lys Leu Ala Gly Asp
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Val Glu Ser Asn Pro Gly Pro
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<210> 10
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<212> PRT
<213> Artificial Sequence

<220>
<223> High efficiency self-cleavable T2A peptide sequence

<400> 10

Gly Ser Gly Val Lys Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala
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Gly Asp Val Glu Ser Asn Pro Gly Pro
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<213> Artificial Sequence

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<223> Human CD80 amino acid sequence

<400> 11

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Ser Gly Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu
        35                  40                  45

Ser Cys Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile
    50                  55                  60

Tyr Trp Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp
65                  70                  75                  80

Met Asn Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr
                85                  90                  95

Asn Asn Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly
            100                 105                 110

Thr Tyr Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg
        115                 120                 125

Glu His Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr
    130                 135                 140

Pro Ser Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile
145                 150                 155                 160

Ile Cys Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu
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Glu Asn Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp
            180                 185                 190
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Pro Glu Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met
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Thr Thr Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg
210 215 220

Val Asn Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro
225 230 235 240

Asp Asn Leu Leu Pro Ser Trp Ala Ile Thr Leu Ile Ser Val Asn Gly
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Ile Phe Val Ile Cys Cys Leu Thr Tyr Cys Phe Ala Pro Arg Cys Arg
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Glu Arg Arg Arg Asn Glu Arg Leu Arg Arg Glu Ser Val Arg Pro Val
275 280 285

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<211> 188
<212> PRT
<213> Artificial Sequence

<220>
<223> Human Interferona amino acid sequence

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Lys Ser Ser Cys Ser Val Gly Cys Asp Leu Pro Gln Thr His Ser Leu
20 25 30

Gly Ser Arg Arg Thr Leu Met Leu Leu Ala Gln Met Arg Arg Ile Ser
35 40 45

Leu Phe Ser Cys Leu Lys Asp Arg His Asp Phe Gly Phe Pro Gln Glu
50 55 60

```
Glu Phe Gly Asn Gln Phe Gln Lys Ala Glu Thr Ile Pro Val Leu His
65                  70                  75                  80

Glu Met Ile Gln Gln Ile Phe Asn Leu Phe Ser Thr Lys Asp Ser Ser
                85                  90                  95

Ala Ala Trp Asp Glu Thr Leu Leu Asp Lys Phe Tyr Thr Glu Leu Tyr
            100                 105                 110

Gln Gln Leu Asn Asp Leu Glu Ala Cys Val Ile Gln Gly Val Gly Val
        115                 120                 125

Thr Glu Thr Pro Leu Met Lys Glu Asp Ser Ile Leu Ala Val Arg Lys
    130                 135                 140

Tyr Phe Gln Arg Ile Thr Leu Tyr Leu Lys Glu Lys Lys Tyr Ser Pro
145                 150                 155                 160

Cys Ala Trp Glu Val Val Arg Ala Glu Ile Met Arg Ser Phe Ser Leu
                165                 170                 175

Ser Thr Asn Leu Gln Glu Ser Leu Arg Ser Lys Glu
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<210> 13
<211> 179
<212> PRT
<213> Artificial Sequence

<220>
<223> Human soluble Flt3 ligand amino acid sequence

<400> 13

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Leu Leu Leu Leu Ser Ser Gly Leu Ser Gly Thr Gln Asp Cys Ser Phe
            20                  25                  30
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Gln His Ser Pro Ile Ser Ser Asp Phe Ala Val Lys Ile Arg Glu Leu
        35                  40                  45

Ser Asp Tyr Leu Leu Gln Asp Tyr Pro Val Thr Val Ala Ser Asn Leu
    50                  55                  60

Gln Asp Glu Glu Leu Cys Gly Gly Leu Trp Arg Leu Val Leu Ala Gln
65                  70                  75                  80

Arg Trp Met Glu Arg Leu Lys Thr Val Ala Gly Ser Lys Met Gln Gly
                85                  90                  95

Leu Leu Glu Arg Val Asn Thr Glu Ile His Phe Val Thr Lys Cys Ala
            100                 105                 110

Phe Gln Pro Pro Pro Ser Cys Leu Arg Phe Val Gln Thr Asn Ile Ser
        115                 120                 125

Arg Leu Leu Gln Glu Thr Ser Glu Gln Leu Val Ala Leu Lys Pro Trp
    130                 135                 140

Ile Thr Arg Gln Asn Phe Ser Arg Cys Leu Glu Leu Gln Cys Gln Pro
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Asp Ser Ser Thr Leu Pro Pro Pro Trp Ser Pro Arg Pro Leu Glu Ala
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Thr Ala Pro
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<210> 14
<211> 93
<212> PRT
<213> Artificial Sequence

<220>
<223> Human Macrophage Inflammatory protein 1a amino acid sequence
(LD78b isoform)

<400> 14

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Leu Cys Asn Gln Val Leu Ser Ala Pro Leu Ala Ala Asp Thr Pro Thr
20 25 30

Ala Cys Cys Phe Ser Tyr Thr Ser Arg Gln Ile Pro Gln Asn Phe Ile
35 40 45

Ala Asp Tyr Phe Glu Thr Ser Ser Gln Cys Ser Lys Pro Ser Val Ile
50 55 60

Phe Leu Thr Lys Arg Gly Arg Gln Val Cys Ala Asp Pro Ser Glu Glu
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Trp Val Gln Lys Tyr Val Ser Asp Leu Glu Leu Ser Ala
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<210> 15
<211> 322
<212> PRT
<213> Artificial Sequence

<220>
<223> Membrane anchored form of the anti-human CD3 single chain Fv

<400> 15

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Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg
20 25 30

Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe
35 40 45

Thr Arg Tyr Thr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu

```
    50                  55                  60

Glu Trp Ile Gly Tyr Ile Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn
65                  70                  75                  80

Gln Lys Phe Lys Asp Lys Ala Thr Leu Thr Thr Asp Lys Ser Ser Ser
                85                  90                  95

Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val
            100                 105                 110

Tyr Tyr Cys Ala Arg Tyr Tyr Asp Asp His Tyr Cys Leu Asp Tyr Trp
        115                 120                 125

Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
    130                 135                 140

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Leu Thr Gln Ser
145                 150                 155                 160

Pro Ala Ile Met Ser Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys
                165                 170                 175

Ser Ala Ser Ser Ser Val Ser Tyr Met Asn Trp Tyr Gln Gln Lys Ser
            180                 185                 190

Gly Thr Ser Pro Lys Arg Trp Ile Tyr Asp Thr Ser Lys Leu Ala Ser
        195                 200                 205

Gly Val Pro Ala His Phe Arg Gly Ser Gly Ser Gly Thr Ser Tyr Ser
    210                 215                 220

Leu Thr Ile Ser Gly Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys
225                 230                 235                 240

Gln Gln Trp Ser Ser Asn Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu
                245                 250                 255
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Glu Ile Asn Arg Gly Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
260 265 270

Asn Ala Val Gly Gln Asp Thr Gln Glu Val Ile Val Val Pro His Ser
275 280 285

Leu Pro Phe Lys Val Val Val Ile Ser Ala Ile Leu Ala Leu Val Val
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Leu Thr Ile Ile Ser Leu Ile Ile Leu Ile Met Leu Trp Gln Lys Lys
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Pro Arg

<210> 16
<211> 33493
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<220>
<223> NG-330 virus genome sequence comprising the EnAd genome with a transgene cassette that encodes the T lymphocyte activation antigen, CD80, inserted in the region By. The transgene cassette contains a 5' SSA, human CD80 cDNA sequence and a 3' poly(A)

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atacacacct tgcttcactt tcttagtggt gttgtggtat tggtttaaaa aatggggccc 660

atactagtct tgcttgtttt actttcgctt ttggaaccgg gttctgccaa ttacgatcca 720

tgtctagact tcgacccaga aaactgcaca cttacttttg cacccgacac aagccgcatc 780

tgtggagttc atcgcctctc ttacgaactt ggcccccaac gacaaaaatt tacctgcatg 840

gtgggaatca accccatagt tatcacccag caaagtggag atactaaggg ttgcattcac 900

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catactttct ccatacttta aaggggatgt caaattttag ctcctctcct gtacccacaa 180

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<210> 25
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<400> 25
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1 5

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
1 5 10

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<400> 28

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Thr Cys Pro Pro Cys
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Pro Ala

<210> 29
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<400> 29

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Thr Cys Pro Pro Cys
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Pro Ala Thr Cys Pro Pro Cys Pro Ala
20 25

<210> 30
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<220>
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<400> 30

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Gly Lys Pro Thr Leu
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Tyr Asn Ser Leu Val Met Ser Asp Thr Ala Gly Thr Cys Tyr
20 25 30

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Gly Lys Pro Thr His
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Val Asn Val Ser Val Val Met Ala Glu Val Asp Gly Thr Cys Tyr
20 25 30

<210> 32
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<400> 32

Asp Lys Thr His Thr Cys Cys Val Glu Cys Pro Pro Cys Pro Ala
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<400> 33

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Thr Pro Pro Pro Cys Pro Arg Cys Pro Ala
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<400> 34

Asp Lys Thr His Thr Cys Pro Ser Cys Pro Ala
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<400> 36

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<400> 37

Ser Gly Gly Gly Gly Ser
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<400> 40

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Gly Gly Gly Gly Ser
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<400> 41

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Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
            20   25

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<400> 42

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<400> 43

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Gly Ala Ser Ala Ser
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<400> 45

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Xaa Gly Gly Gly Ser Gly Ala Ser Ala Ser
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<400> 46

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Xaa Gly Gly Gly Ser Xaa Gly Gly Gly Ser Gly Ala Ser Ala Ser
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Pro Gly Gly Asn Arg Gly Thr Thr Thr Thr Arg Arg Pro Ala Thr Thr
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Thr Gly Ser Ser Pro Gly Pro Thr Gln Ser His Tyr
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Ala Thr Thr Thr Gly Ser Ser Pro Gly Pro Thr
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Ala Thr Thr Thr Gly Ser
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Glu Pro Ser Gly Pro Ile Ser Thr Ile Asn Ser Pro Pro Ser Lys Glu
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Ser His Lys Ser Pro
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<400> 52

Gly Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
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Gly Gly Gly Gly Ile Ala Pro Ser Met Val Gly Gly Gly Gly Ser
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<400> 54

Gly Gly Gly Gly Lys Val Glu Gly Ala Gly Gly Gly Gly Gly Ser
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<400> 55

Gly Gly Gly Gly Ser Met Lys Ser His Asp Gly Gly Gly Gly Ser
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Gly Gly Gly Gly Asn Leu Ile Thr Ile Val Gly Gly Gly Gly Ser
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<400> 57

Gly Gly Gly Gly Val Val Pro Ser Leu Pro Gly Gly Gly Gly Ser
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<400> 58

Gly Gly Glu Lys Ser Ile Pro Gly Gly Gly Gly Ser
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<210> 59
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<212> PRT
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Arg Pro Leu Ser Tyr Arg Pro Pro Phe Pro Phe Gly Phe Pro Ser Val
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Arg Pro

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<220>
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Tyr Pro Arg Ser Ile Tyr Ile Arg Arg Arg His Pro Ser Pro Ser Leu
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Thr Thr

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<220>
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<400> 61

Thr Pro Ser His Leu Ser His Ile Leu Pro Ser Phe Gly Leu Pro Thr
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Phe Asn

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<220>
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<400> 62

Arg Pro Val Ser Pro Phe Thr Phe Pro Arg Leu Ser Asn Ser Trp Leu
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Pro Ala

<210> 63
<211> 18
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<400> 63

Ser Pro Ala Ala His Phe Pro Arg Ser Ile Pro Arg Pro Gly Pro Ile
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Arg Thr

<210> 64
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<220>
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<400> 64

Ala Pro Gly Pro Ser Ala Pro Ser His Arg Ser Leu Pro Ser Arg Ala
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Phe Gly

<210> 65
<211> 18
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<220>
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<400> 65

Pro Arg Asn Ser Ile His Phe Leu His Pro Leu Leu Val Ala Pro Leu
1 5 10 15

Gly Ala

<210> 66
<211> 18
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<213> Artificial Sequence

<220>
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<400> 66

Met Pro Ser Leu Ser Gly Val Leu Gln Val Arg Tyr Leu Ser Pro Pro
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Asp Leu

<210> 67
<211> 18
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<220>
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<400> 67

Ser Pro Gln Tyr Pro Ser Pro Leu Thr Leu Thr Leu Pro Pro His Pro
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Ser Leu

<210> 68
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<220>
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<400> 68

Asn Pro Ser Leu Asn Pro Pro Ser Tyr Leu His Arg Ala Pro Ser Arg
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<211> 17
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<220>
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<400> 69

Leu Pro Trp Arg Thr Ser Leu Leu Pro Ser Leu Pro Leu Arg Arg Arg
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Pro

<210> 70
<211> 18
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<220>
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Pro Pro Leu Phe Ala Lys Gly Pro Val Gly Leu Leu Ser Arg Ser Phe
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Pro Pro

<210> 71
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<220>
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<400> 71

Val Pro Pro Ala Pro Val Val Ser Leu Arg Ser Ala His Ala Arg Pro
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Pro Tyr

<210> 72
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<400> 72

Leu Arg Pro Thr Pro Pro Arg Val Arg Ser Tyr Thr Cys Cys Pro Thr
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Pro

<210> 73
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<220>
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<400> 73

Pro Asn Val Ala His Val Leu Pro Leu Leu Thr Val Pro Trp Asp Asn
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Leu Arg

<210> 74
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<220>
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<400> 74

Cys Asn Pro Leu Leu Pro Leu Cys Ala Arg Ser Pro Ala Val Arg Thr
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Phe Pro

<210> 75
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<400> 75

Gly Ala Pro Ala Pro Ala Ala Pro Ala Pro Ala
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<400> 76

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<400> 77

Asp Leu Cys Leu Arg Asp Trp Gly Cys Leu Trp
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Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
1 5 10

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<400> 79

Met Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp Gly Asp
1 5 10 15

<210> 80
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<400> 80

Gln Arg Leu Met Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
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Glu Asp Asp Glu
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<210> 81
<211> 20
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<220>
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Gln Gly Leu Ile Gly Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
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Gly Arg Ser Val
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<210> 82
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<220>
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<400> 82

Gln Gly Leu Ile Gly Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
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Gly Arg Ser Val Lys
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<210> 83
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<400> 83

Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp Glu Asp Asp
1 5 10 15

<210> 84
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<400> 84

Arg Leu Met Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp Glu
1 5 10 15

Asp Asp

<210> 85
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<400> 85

Met Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp Glu Asp Asp
1 5 10 15

<210> 86
<211> 15
<212> PRT
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<220>
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<400> 86

Met Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp Glu Asp
1 5 10 15

<210> 87
<211> 18
<212> PRT
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<220>
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<400> 87

Arg Leu Met Glu Asp Ile Cys Leu Ala Arg Trp Gly Cys Leu Trp Glu
1 5 10 15

Asp Asp

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<211> 20
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<400> 88

Glu Val Arg Ser Phe Cys Thr Arg Trp Pro Ala Glu Lys Ser Cys Lys
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Pro Leu Arg Gly
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<400> 89

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Arg Ser Glu Gln
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<400> 90

Glu Met Cys Tyr Phe Pro Gly Ile Cys Trp Met
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<400> 91

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Val Val Ile Trp
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<210> 92
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<400> 95

Phe Trp Val Leu Val Val Val Gly Gly Val Leu Ala Cys Tyr Ser Leu
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Leu Val Thr Val Ala Phe Ile Ile Phe Trp Val
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<210> 96
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ccgtgggaaa atgacgtttt gtgggggtgg agtttttttg caagttgtcg cgggaaatgt 180

gacgcataaa aaggcttttt tctcacggaa ctacttagtt ttcccacggt atttaacagg 240

aaatgaggta gttttgaccg gatgcaagtg aaaattgttg attttcgcgc gaaaactgaa 300

tgaggaagtg tttttctgaa taatgtggta tttatggcag ggtggagtat ttgttcaggg 360

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aatctctgct gagactggaa atgaaatatt ggagcttgtg gtgcacgccc tgatgggaga 660

cgatccggag ccacctgtgc agctttttga gcctcctacg cttcaggaac tgtatgattt 720

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taaggtatat tatatagata ga 34522

<210> 97
<211> 966
<212> DNA
<213> Artificial Sequence

<220>
<223> MEMBRANE TETHERED OKT3-SCFV NUCLEIC ACID SEQUENCE

<400> 97
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tgcaaggctt ctggctacac ctttactagg tacacgatgc actgggtaaa acagaggcct 180

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caactgagca gcctgacatc tgaggactct gcagtctatt actgtgcaag atattatgat 360

gatcattact gccttgacta ctggggccaa ggcaccactc tcacagtctc ctcaggtggc 420

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ccagcaatca tgtctgcatc tccaggggag aaggtcacca tgacctgcag tgccagctca 540

agtgtaagtt acatgaactg gtaccagcag aagtcaggca cctcccccaa aagatggatt 600

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acctcttact ctctcacaat cagcggcatg gaggctgaag atgctgccac ttattactgc 720

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gaggtcatcg tggtgccaca ctccttgccc tttaaggtgg tggtgatctc agccatcctg 900

gccctggtgg tgctcaccat catctccctt atcatcctca tcatgctttg gcagaagaag 960

ccacgt 966

<210> 98
<211> 2196
<212> DNA
<213> Artificial Sequence

<220>
<223> Transgene Cassette sequence - NG-348

<400> 98
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gcctcagtga agatgtcctg caaggcttct ggctacacct ttactaggta cacgatgcac 180

tgggtaaaac agaggcctgg acagggtctg gaatggattg gatacattaa tcctagccgt 240

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acctgcagtg ccagctcaag tgtaagttac atgaactggt accagcagaa gtcaggcacc 600

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ctctacaaat gtggtagtcg tcagctatcc tgcagg 2196

<210> 99
<211> 333
<212> PRT
<213> Artificial Sequence

<220>
<223> Membrane anchored form of the anti-human CD3 single chain Fv with C-terminal V5 tag

<400> 99

Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
1 5 10 15

Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg
20 25 30

Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe
35 40 45

Thr Arg Tyr Thr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu
50 55 60

Glu Trp Ile Gly Tyr Ile Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn
65 70 75 80

```
Gln Lys Phe Lys Asp Lys Ala Thr Leu Thr Thr Asp Lys Ser Ser Ser
                85                  90                  95

Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val
            100                 105                 110

Tyr Tyr Cys Ala Arg Tyr Tyr Asp Asp His Tyr Cys Leu Asp Tyr Trp
        115                 120                 125

Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
    130                 135                 140

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Leu Thr Gln Ser
145                 150                 155                 160

Pro Ala Ile Met Ser Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys
                165                 170                 175

Ser Ala Ser Ser Ser Val Ser Tyr Met Asn Trp Tyr Gln Gln Lys Ser
            180                 185                 190

Gly Thr Ser Pro Lys Arg Trp Ile Tyr Asp Thr Ser Lys Leu Ala Ser
        195                 200                 205

Gly Val Pro Ala His Phe Arg Gly Ser Gly Ser Gly Thr Ser Tyr Ser
    210                 215                 220

Leu Thr Ile Ser Gly Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys
225                 230                 235                 240

Gln Gln Trp Ser Ser Asn Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu
                245                 250                 255

Glu Ile Asn Arg Gly Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
            260                 265                 270

Asn Ala Val Gly Gln Asp Thr Gln Glu Val Ile Val Val Pro His Ser
```

275 280 285

Leu Pro Phe Lys Val Val Val Ile Ser Ala Ile Leu Ala Leu Val Val
290 295 300

Leu Thr Ile Ile Ser Leu Ile Ile Leu Ile Met Leu Trp Gln Lys Lys
305 310 315 320

Pro Arg Gly Ser Ile Pro Asn Pro Leu Leu Gly Leu Asp
325 330

<210> 100
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> V5 tag (9 amino acid variant)

<400> 100

Ile Pro Asn Pro Leu Leu Gly Leu Asp
1 5

<210> 101
<211> 34555
<212> DNA
<213> Artificial Sequence

<220>
<223> NG-348A virus genome sequence comprising a transgene cassette encoding a membrane-anchored chimeric form of the anti-human CD3e scFv with C-terminal V5 tag and CD80 inserted in the region BY

<400> 101
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aaaaagtgtg gatcgtgtgg tgattggctg tggggttaac ggctaaaagg ggcggtgcga 120

ccgtgggaaa atgacgtttt gtgggggtgg agtttttttg caagttgtcg cgggaaatgt 180

gacgcataaa aaggcttttt tctcacggaa ctacttagtt ttcccacggt atttaacagg 240

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ccaggtagac tttgacccat tacgtggagg tttcgattac cgtgtttttt acctgaattt 420

ccgcgtaccg tgtcaaagtc ttctgttttt acgtaggtgt cagctgatcg ctagggtatt 480

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<400> 105
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