SEQUENCE LISTING

<110> Japanese Foundation for Cancer Research

<120> Aggrus monoclonal antibody

<130> S15053PCT

<160> 19

<170> PatentIn version 3.5

<210> 1
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<212> PRT
<213> Homo sapiens

<400> 1

Gly Ile Arg Ile Glu Asp Leu Pro Thr
1 5

<210> 2
<211> 17
<212> PRT
<213> Homo sapiens

<400> 2

Gly Ala Glu Asp Asp Val Val Thr Pro Gly Thr Ser Glu Asp Arg Tyr
1 5 10 15

Lys

<210> 3
<211> 5
<212> PRT
<213> Homo sapiens

<400> 3

Arg Ile Glu Asp Leu
1 5

<210> 4
<211> 6
<212> PRT

<213> Homo sapiens

<220>
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<222> (3)..(4)
<223> Xaa can be any naturally occurring amino acid

<400> 4

Glu Asp Xaa Xaa Thr Ser
1 5

<210> 5
<211> 144
<212> PRT
<213> Homo sapiens

<400> 5

Met Trp Lys Val Ser Ala Leu Leu Phe Val Leu Gly Ser Ala Ser Leu
1 5 10 15

Trp Val Leu Ala Glu Gly Ala Ser Thr Gly Gln Pro Glu Asp Asp Thr
20 25 30

Glu Thr Thr Gly Leu Glu Gly Gly Val Ala Met Pro Gly Ala Glu Asp
35 40 45

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

Thr Thr Leu Val Ala Thr Ser Val Asn Ser Val Thr Gly Ile Arg Ile
65 70 75 80

Glu Asp Leu Pro Thr Ser Glu Ser Thr Val His Ala Gln Glu Gln Ser
85 90 95

Pro Ser Ala Thr Ala Ser Asn Val Ala Thr Ser His Ser Thr Glu Lys
100 105 110

Val Asp Gly Asp Thr Gln Thr Thr Val Glu Lys Asp Gly Leu Ser Thr
115 120 125

```
Val Thr Leu Val Gly Ile Ile Val Gly Val Leu Leu Ala Ile Gly Phe
    130                 135                 140


<210>  6
<211>  144
<212>  PRT
<213>  Pan paniscus

<400>  6

Met Trp Lys Val Ser Ala Leu Leu Phe Val Leu Gly Ser Ala Ser Leu
1               5                   10                  15


Trp Val Leu Ala Glu Gly Ala Ser Thr Gly Gln Pro Glu Asp Asp Thr
            20                  25                  30


Glu Thr Thr Gly Leu Glu Gly Gly Phe Ala Val Pro Gly Ala Glu Asp
        35                  40                  45


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


Thr Thr Leu Val Ala Thr Ser Val Asn Ser Val Thr Gly Ile Arg Ile
65                  70                  75                  80


Glu Asp Leu Pro Thr Ser Glu Ser Thr Val His Ala Gln Glu Gln Ser
                85                  90                  95


Pro Ser Ala Thr Ala Ser Asn Val Ala Thr Ser His Ser Thr Glu Lys
            100                 105                 110


Val Asp Gly Asp Thr Gln Thr Thr Val Glu Lys Asp Gly Leu Ala Thr
        115                 120                 125


Val Thr Leu Val Gly Ile Ile Val Gly Val Leu Leu Ala Ile Gly Phe
    130                 135                 140


<210>  7
<211>  144
<212>  PRT
<213>  Macaca mulatta
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<400> 7

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Met Trp Lys Val Ser Ala Leu Leu Phe Val Leu Gly Ser Ala Ser Leu
1               5                  10                  15

Trp Val Leu Ala Glu Gly Ala Ser Thr Gly Gln Pro Glu Asp Asp Ile
            20                  25                  30

Glu Thr Thr Gly Met Glu Gly Gly Val Ala Met Pro Gly Ala Glu Asp
        35                  40                  45

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

Thr Thr Pro Val Ala Thr Ser Val Asn Ser Val Thr Asp Ile His Ile
65                  70                  75                  80

Glu Asp Leu Pro Thr Pro Glu Ser Thr Val His Ala Gln Gly Gln Ser
                85                  90                  95

Pro Ser Thr Thr Ala Ser Asn Val Ala Thr Ser His Ser Thr Asp Lys
            100                 105                 110

Val Asp Gly Asp Thr Gln Thr Ala Ile Glu Lys Asp Gly Leu Ala Thr
        115                 120                 125

Val Thr Leu Val Gly Ile Ile Val Gly Val Leu Leu Ala Ile Gly Phe
    130                 135                 140
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<210> 8
<211> 141
<212> PRT
<213> Sus scrofa

<400> 8

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Met Trp Lys Val Pro Val Leu Leu Phe Val Leu Gly Ser Ala Ser Leu
1               5                  10                  15

Trp Val Leu Ala Glu Gly Ala Ser Thr Val Leu Pro Glu Asp Gly Val
            20                  25                  30
```

```
Thr Pro Gly Val Glu Gly Ser Ser Lys Ala Ser Pro Gly Val Glu Asp
        35                  40                  45

Tyr Thr Val Thr Pro Arg Thr Arg Glu Glu Pro Tyr Ala Thr Pro Leu
    50                  55                  60

Val Pro Thr Arg Thr Lys Gly Thr Thr Gly Ser Pro Thr Glu Asp Val
65                  70                  75                  80

Phe Thr Val Gly Ser Thr Thr His Ser His Lys Gly Ser Gln Ser Thr
                85                  90                  95

Thr Thr Gln Asn Val Val Thr Ser Gln Ser His Asp Lys Gly Asp Glu
            100                 105                 110

Glu Lys Ser Lys Thr Val Thr Lys Asp Gly Leu Gly Thr Val Thr Leu
        115                 120                 125

Val Gly Ile Thr Val Gly Val Leu Leu Ala Ile Gly Phe
    130                 135                 140
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<210> 9
<211> 143
<212> PRT
<213> Physeter catodon

<400> 9

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Met Trp Lys Gly Pro Val Leu Phe Phe Val Leu Gly Ser Ala Ser Leu
1               5                   10                  15

Trp Val Leu Ala Glu Ala Ser Thr Val Arg Pro Glu Asp Gly Met Thr
            20                  25                  30

Thr Gly Val Glu Asn Gly Lys Ala Thr Pro Gly Val Glu Asp His Val
        35                  40                  45

Glu Thr Pro Gly Ala Ser Gly Glu Pro His Glu Ser Ala Gly Leu Thr
    50                  55                  60
```

```
Ala Pro Met Pro Thr Arg Thr Lys Ser Met Thr Glu Val His Lys Glu
65                  70                  75                  80


Asp Leu Pro Thr Ala Glu Ser Thr Ile His Ser Gln Gly Gln Ser Gln
                85                  90                  95


Ser Thr Thr Thr Leu Asn Val Ala Thr Ser Gln Ser Pro Gly Lys Thr
            100                 105                 110


Asp Gly Glu Lys Pro Thr Thr Val Glu Lys Gly Gly Ser Ser Thr Val
        115                 120                 125


Thr Leu Val Gly Ile Ile Val Gly Val Leu Leu Ala Ile Gly Phe
    130                 135                 140


<210>  10
<211>  152
<212>  PRT
<213>  Bos taurus

<400>  10

Met Trp Lys Val Pro Val Leu Phe Phe Ile Leu Gly Ser Ala Ser Phe
1               5                   10                  15


Trp Val Leu Ala Glu Gly Ala Ser Thr Val Arg Pro Glu Asp Asp Val
            20                  25                  30


Thr Thr Gly Val Thr Ser Glu Lys Thr Thr Leu Gly Val Glu Asp Tyr
        35                  40                  45


Thr Thr Thr Pro Ala Ala Ser Lys Glu Ser Leu Ala Thr Pro Met Pro
    50                  55                  60


Ala Gly Thr Glu Asn Val Ser His Asp His Arg Glu Asp Leu Pro Thr
65                  70                  75                  80


Ala Glu Gly Thr Thr Ala Glu Gly Thr Thr Ala Lys Ser Thr Pro Ala
                85                  90                  95
```

Arg Ser Thr Pro Ala Arg Ser Thr Thr Thr Val Leu Thr Arg Val Pro
100 105 110

Ala Thr Ser His Ser Gln Gly Lys Thr Asp Gly Glu Lys Pro Lys Ser
115 120 125

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

Gly Val Leu Val Gly Ile Ala Val
145 150

<210> 11
<211> 151
<212> PRT
<213> Canis lupus

<400> 11

Met Trp Arg Val Pro Val Leu Leu Leu Val Leu Gly Gly Ala Gly Leu
1 5 10 15

Arg Val Pro Ala Ala Gly Ala Ser Thr Val Arg Pro Asp Asp Ile Ile
20 25 30

Pro Gly Val Glu Asp Ser Val Val Thr Pro Gly Thr Glu Asp Ser Val
35 40 45

Val Thr Pro Gly Ala Glu Asp Asn Val Val Thr Asp Gly Ala Thr Glu
50 55 60

Glu Pro Tyr Glu Ser Gly Leu Thr Pro Leu Val Thr Lys Asn Thr Glu
65 70 75 80

Ser Val Thr Asp Leu His Leu Glu Asp Gly Pro Thr Gln Glu Ser Thr
85 90 95

Val His Ala Lys Glu Glu Ser Gln Ser Thr Thr Thr Leu Asn Val Val
100 105 110

Thr Ser His Ser Arg Glu Lys Val Gly Glu Asp Thr Glu Thr Thr Val

115 120 125

Glu Lys Asp Gly Leu Ala Thr Val Thr Leu Val Gly Ile Ile Val Gly
130 135 140

Val Leu Leu Ala Ile Gly Phe
145 150

<210> 12
<211> 140
<212> PRT
<213> Myotis brandtii

<400> 12

Met Trp Lys Ala Arg Val Leu Leu Leu Val Trp Gly Ser Ala Leu Leu
1 5 10 15

Trp Ala Pro Ala Gly Gly Ala Ser Thr Val Leu Pro Glu Asp Glu Ala
20 25 30

Thr Thr Ala Ser Met Glu Asn Gly Met Val Thr Pro Gly Val Gly Gly
35 40 45

Asn Thr Met Thr Pro Gly Ala Ser Glu Gln Ser His Lys Pro Val Gly
50 55 60

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

Glu Asp Leu Pro Thr Thr Glu Ser Thr Gly His Ala Gln Glu Glu Thr
85 90 95

Gln Ser Thr Thr Ala Leu Asn Gly Ala Thr Ser His Pro Arg Glu Asp
100 105 110

Thr Gln Thr Thr Gly Ala Lys Asp Gly Phe Ser Thr Gly Thr Leu Ile
115 120 125

Gly Ile Ile Val Gly Val Leu Leu Gly Ile Gly Phe
130 135 140

<210> 13
<211> 148
<212> PRT
<213> Rattus norvegicus

<400> 13

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


Trp Asp Ser Ala Gln Gly Gly Ala Ile Gly Ala Leu Glu Asp Asp Leu
            20                  25                  30


Val Thr Pro Gly Pro Gly Asp Asp Met Val Asn Pro Gly Leu Glu Asp
        35                  40                  45


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


Lys Ala Pro Leu Val Pro Thr Gln Pro Pro Ile Glu Glu Leu Pro Thr
65                  70                  75                  80


Ser Gly Thr Ser Asp His Asp His Lys Glu His Glu Ser Thr Thr Thr
                85                  90                  95


Val Lys Ala Val Thr Ser His Ser Thr Asp Lys Lys Thr Thr His Ser
            100                 105                 110


Asn Arg Asp Asn Ala Gly Gly Glu Thr Gln Thr Thr Asp Lys Lys Asp
        115                 120                 125


Gly Leu Ala Val Val Thr Leu Val Gly Ile Ile Ile Gly Val Leu Leu
    130                 135                 140


Ala Ile Gly Phe
145
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<210> 14
<211> 154
<212> PRT

<213> Mus musculus

<400> 14

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Met Trp Thr Val Pro Val Leu Phe Trp Val Leu Gly Ser Val Trp Phe
1               5                  10                  15


Trp Asp Ser Ala Gln Gly Gly Thr Ile Gly Val Asn Glu Asp Asp Ile
            20                  25                  30


Val Thr Pro Gly Thr Gly Asp Gly Met Val Pro Pro Gly Ile Glu Asp
        35                  40                  45


Lys Ile Thr Thr Thr Gly Ala Thr Gly Gly Leu Asn Glu Ser Thr Gly
    50                  55                  60


Lys Ala Pro Leu Val Pro Thr Gln Arg Glu Arg Gly Thr Lys Pro Pro
65                  70                  75                  80


Leu Glu Glu Leu Ser Thr Ser Ala Thr Ser Asp His Asp His Arg Glu
                85                  90                  95


His Glu Ser Thr Thr Thr Val Lys Val Val Thr Ser His Ser Val Asp
            100                 105                 110


Lys Lys Thr Ser His Pro Asn Arg Asp Asn Ala Gly Asp Glu Thr Gln
        115                 120                 125


Thr Thr Asp Lys Lys Asp Gly Leu Pro Val Val Thr Leu Val Gly Ile
    130                 135                 140


Ile Val Gly Val Leu Leu Ala Ile Gly Phe
145                 150
```

<210> 15
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

<222> (3)..(4)
<223> Xaa can be any naturally occurring amino acid

<400> 15

Glu Asp Xaa Xaa Val Thr Pro Gly
1 5

<210> 16
<211> 8
<212> PRT
<213> Homo sapiens

<400> 16

Glu Asp Asp Thr Glu Thr Thr Gly
1 5

<210> 17
<211> 8
<212> PRT
<213> Homo sapiens

<400> 17

Glu Gly Gly Val Ala Met Pro Gly
1 5

<210> 18
<211> 8
<212> PRT
<213> Homo sapiens

<400> 18

Glu Asp Asp Val Val Thr Pro Gly
1 5

<210> 19
<211> 7
<212> PRT
<213> Homo sapiens

<400> 19

Glu Asp Leu Pro Thr Ser Glu
1 5