Figure1A

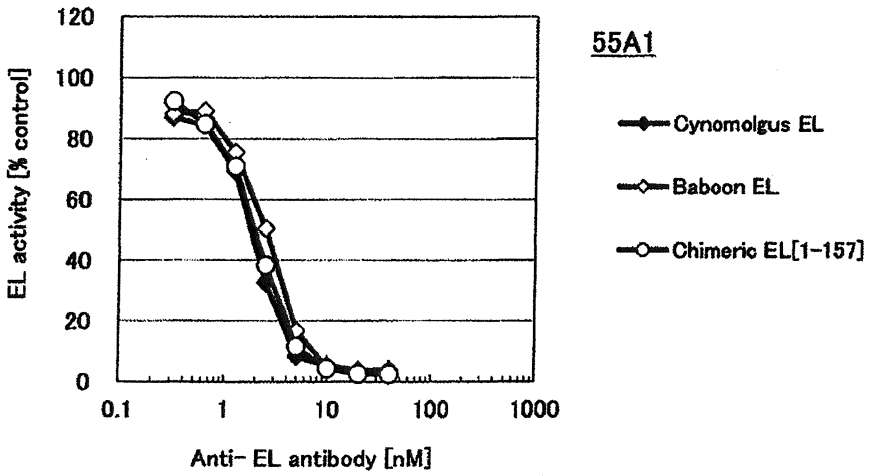


Figure1B

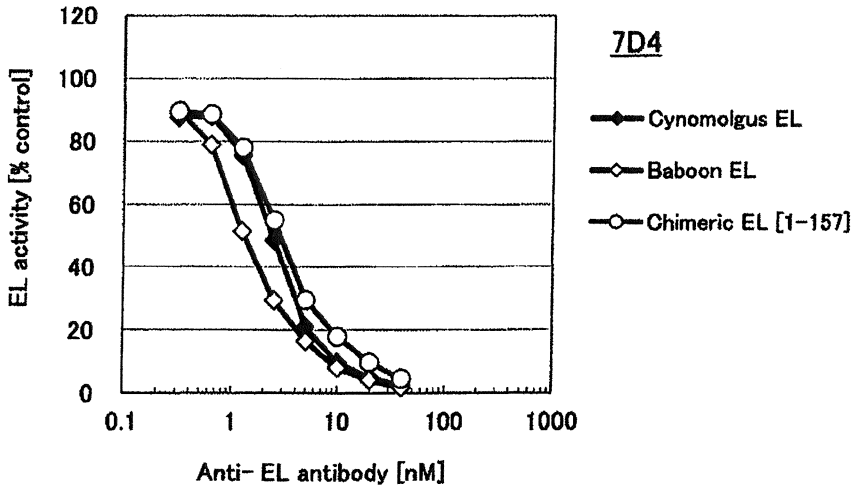


Figure1C

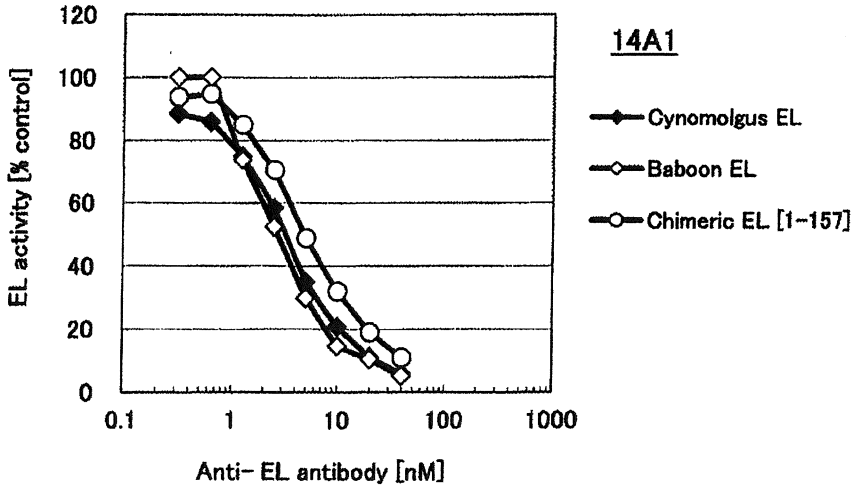


Figure1D

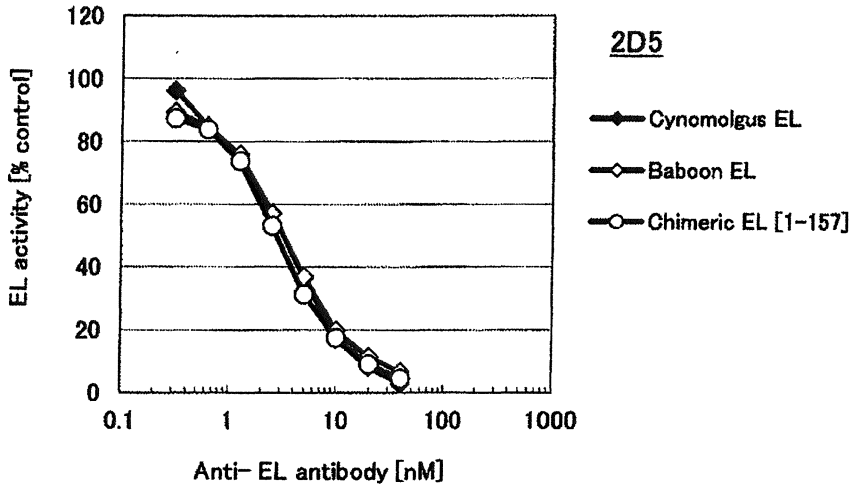


Figure1E

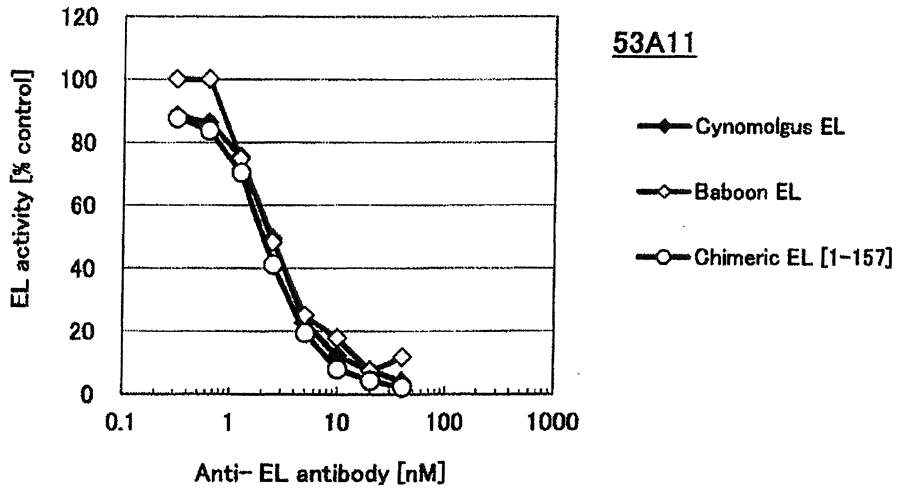


Figure1F

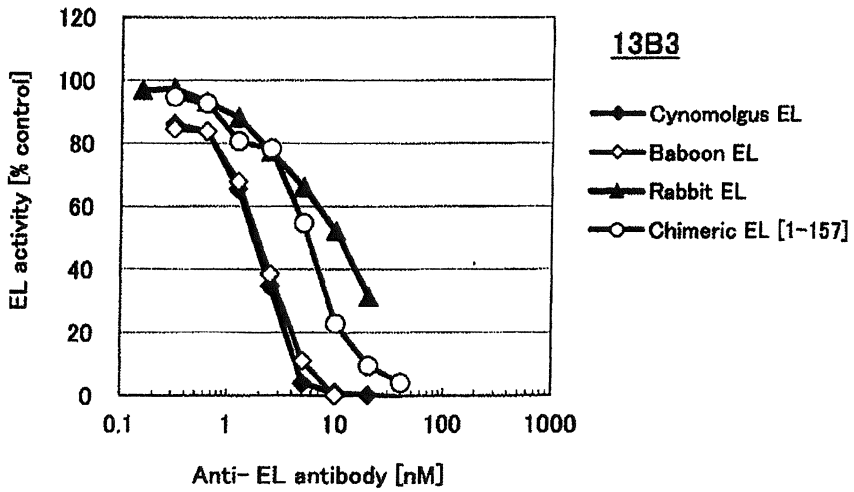


Figure1G

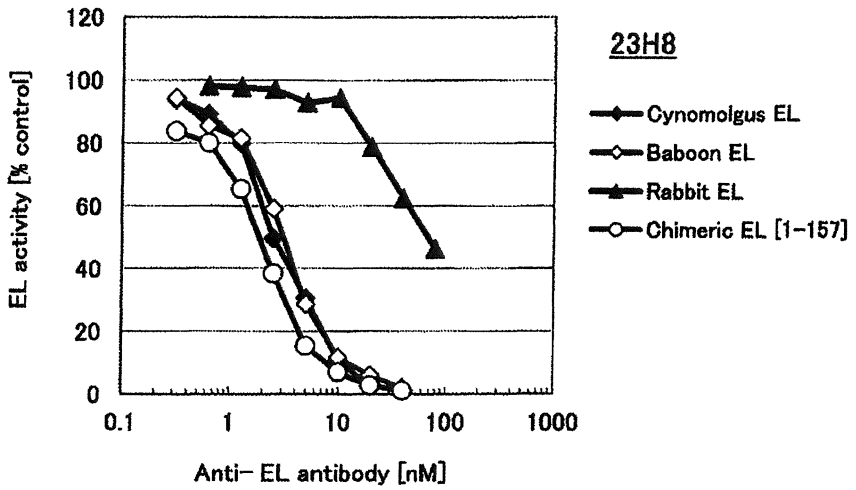


Figure1H

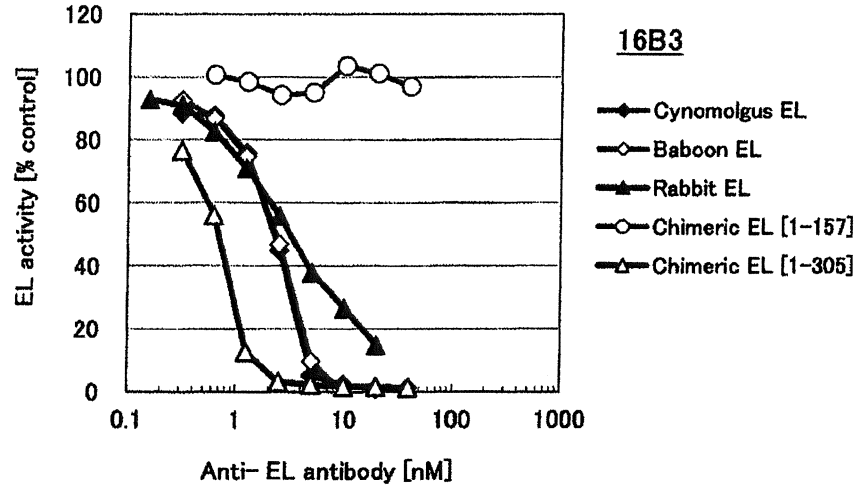


Figure1I

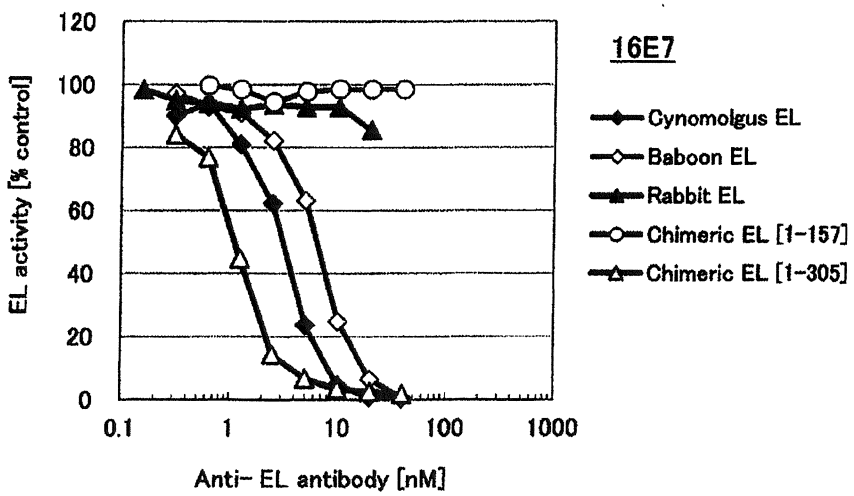


Figure1J

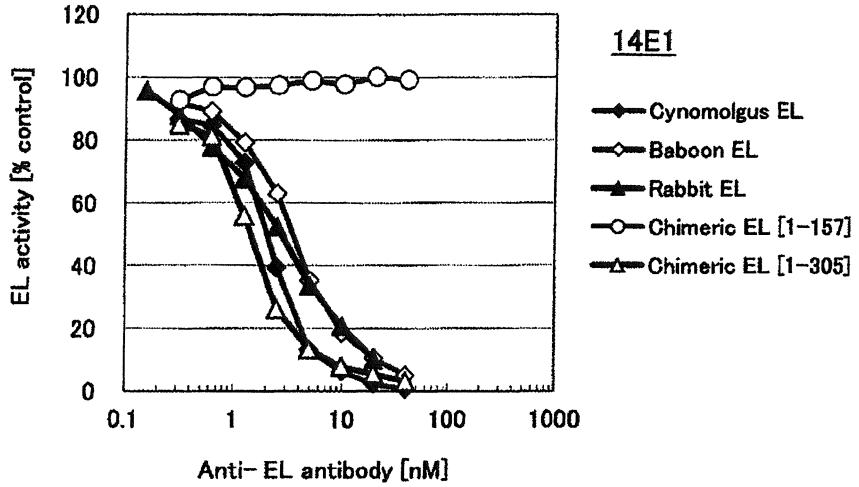


Figure1K

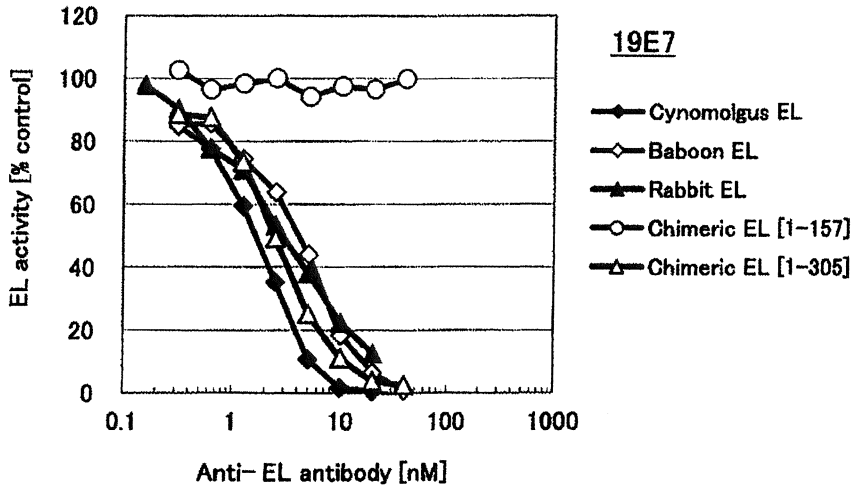


Figure2A

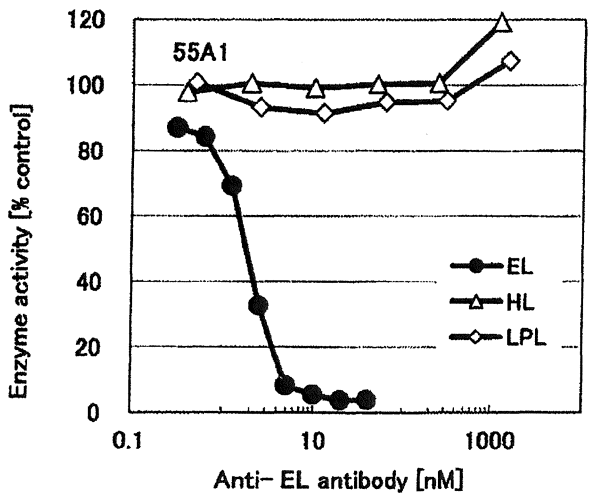


Figure2B

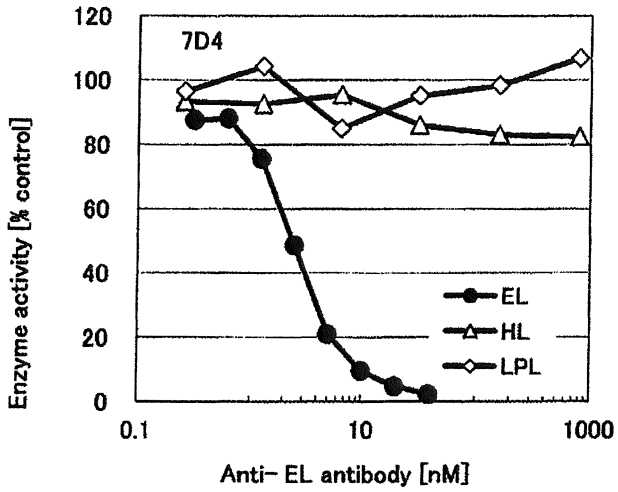


Figure2C

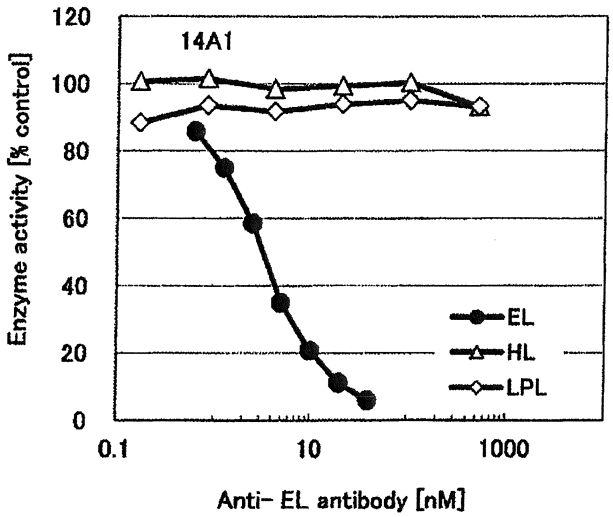


Figure2D

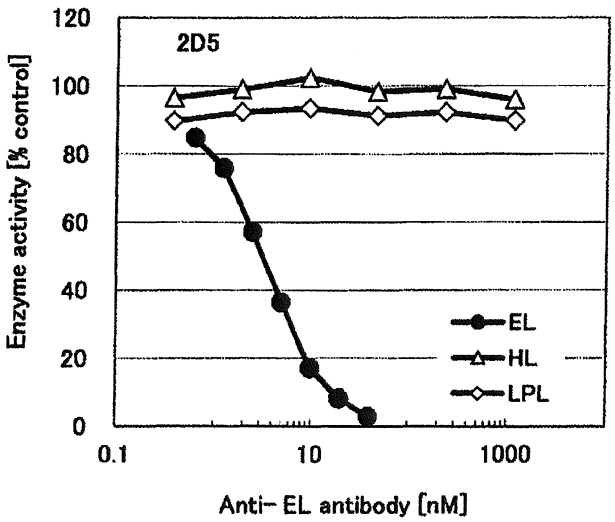


Figure2E

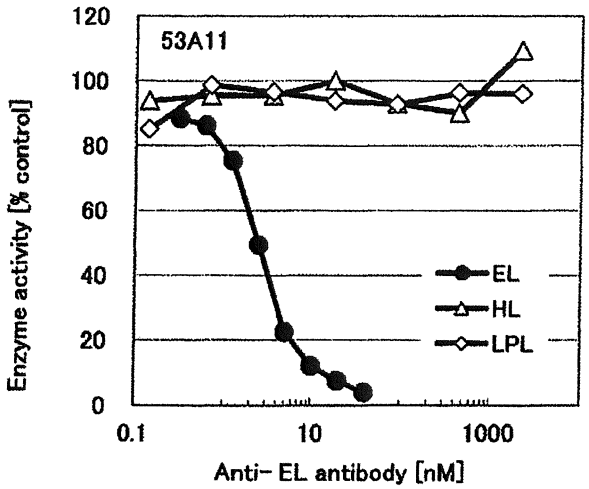


Figure2F

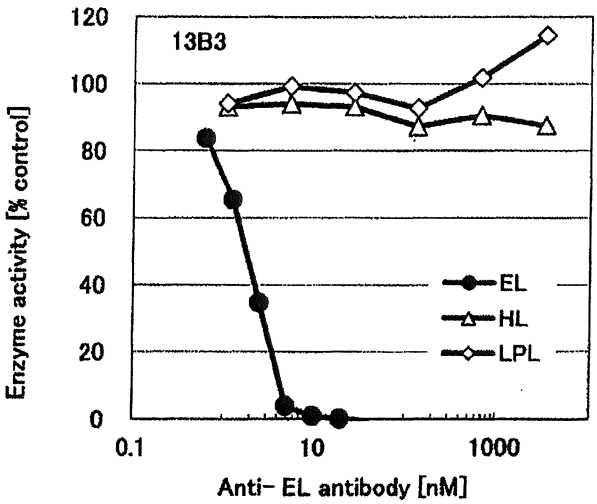


Figure2G

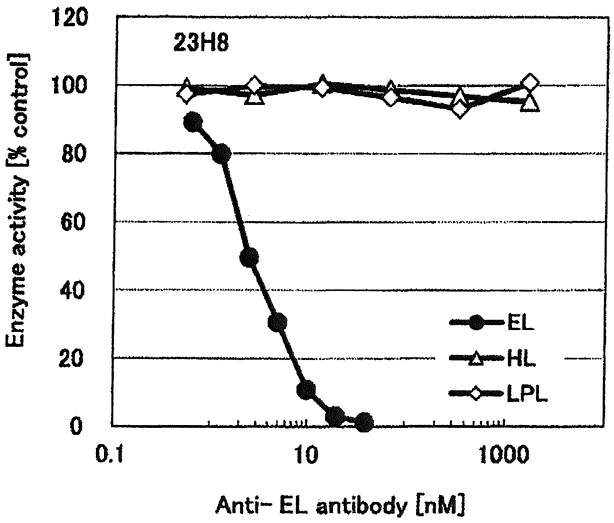


Figure2H

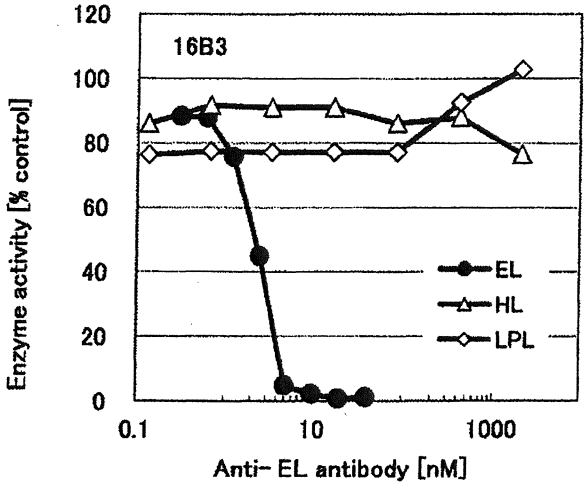


Figure2I

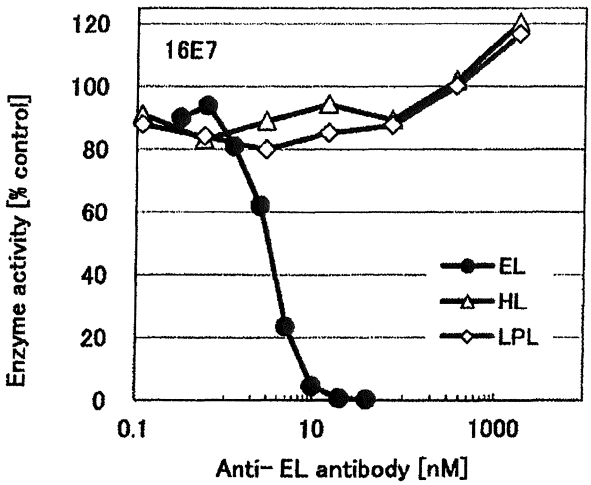


Figure2J

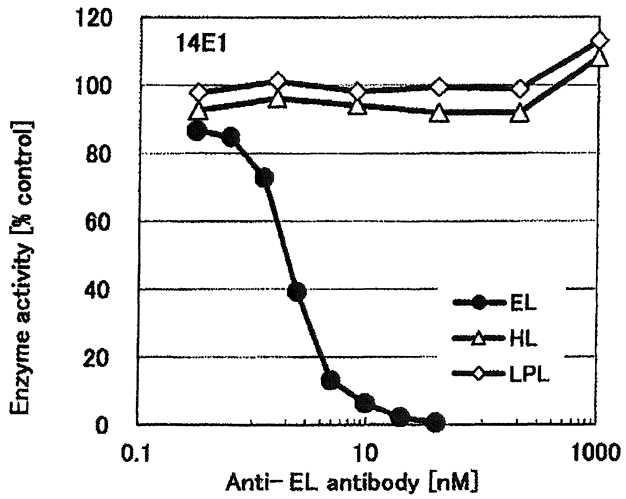


Figure2K

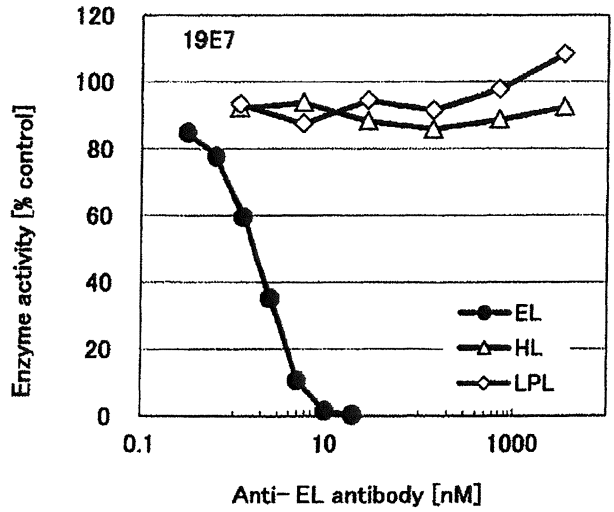


Figure2L

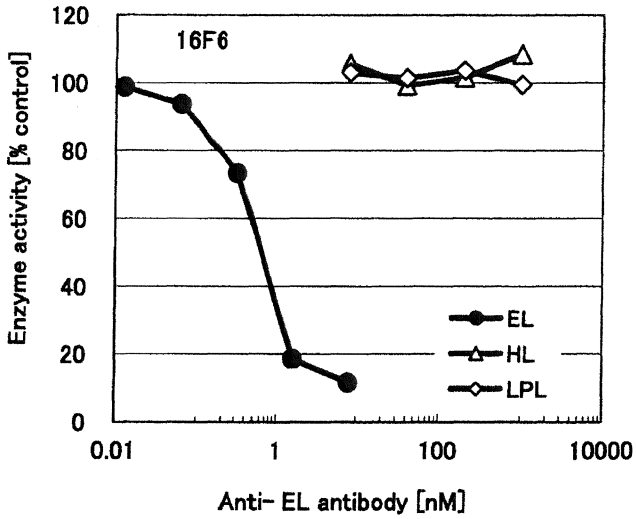


Figure3A

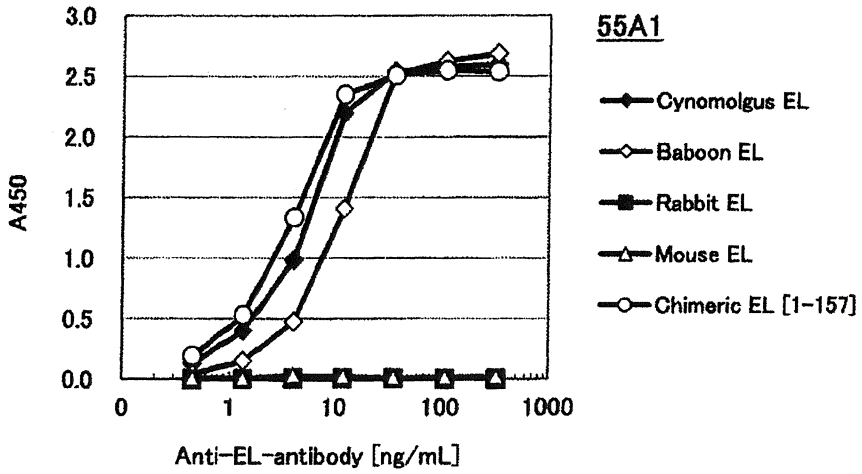


Figure3B

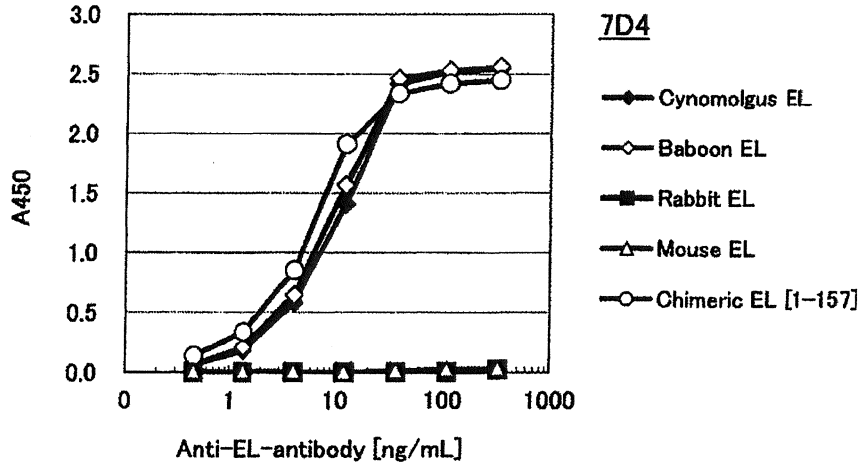


Figure3C

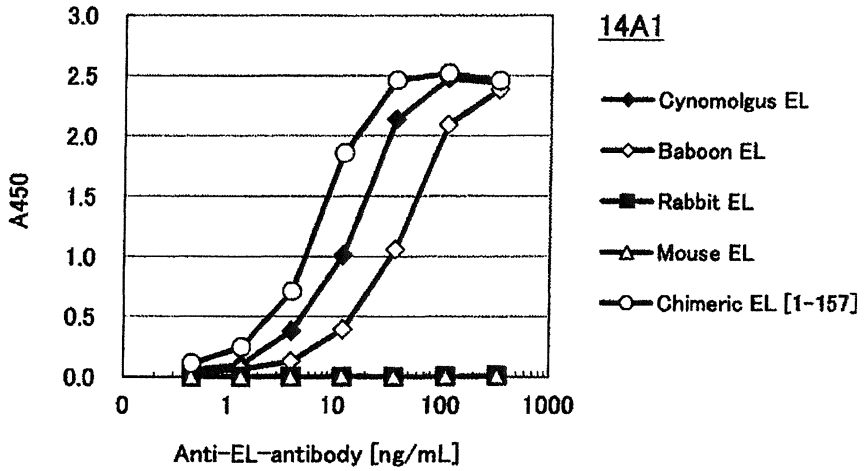


Figure3D

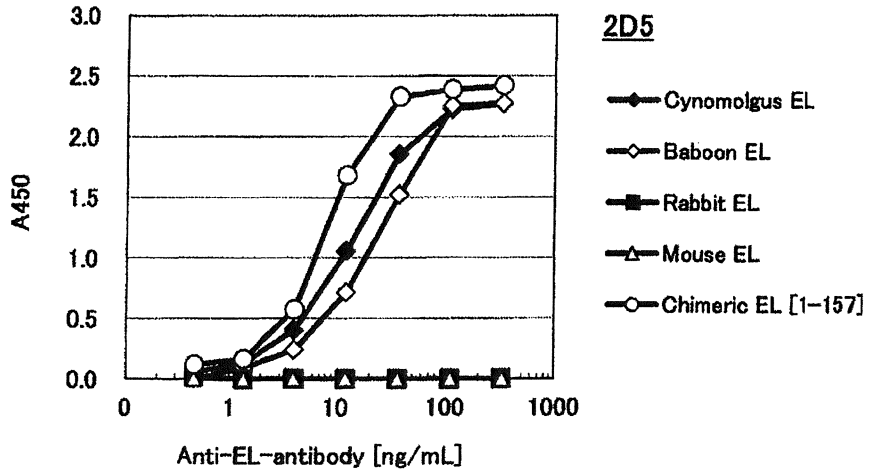


Figure3E

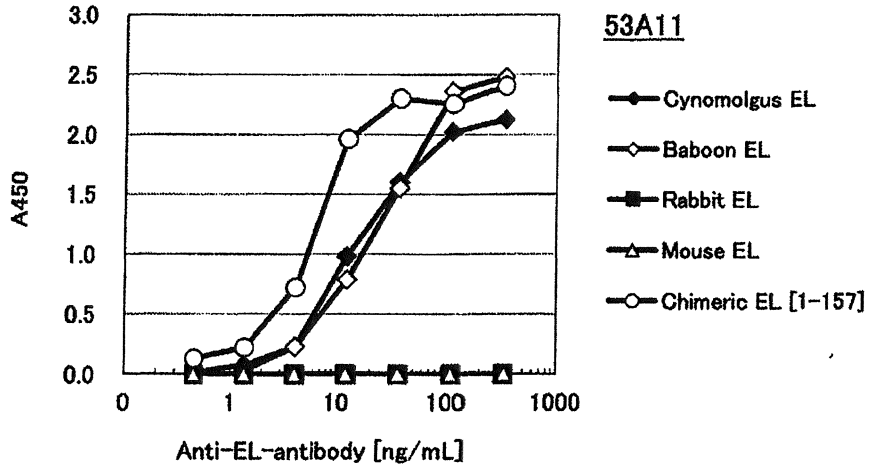


Figure3F

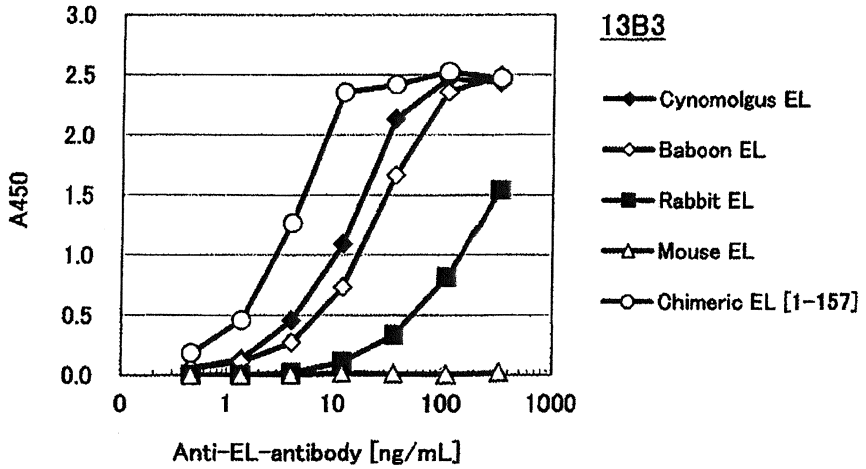


Figure3G

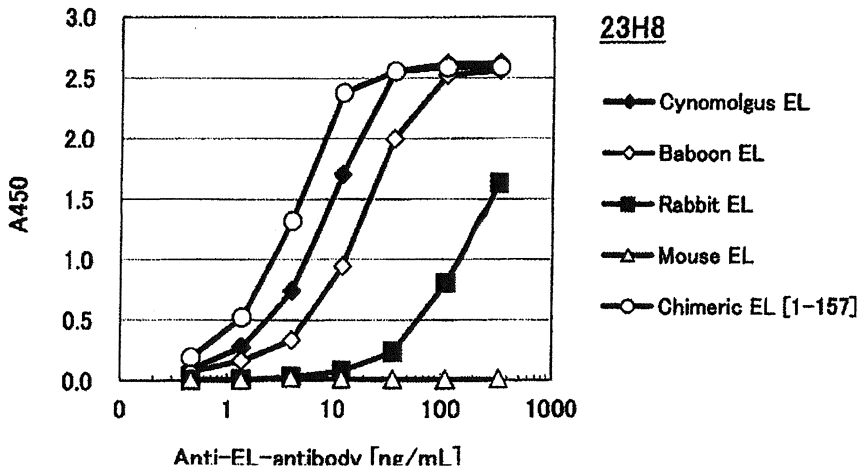


Figure3H

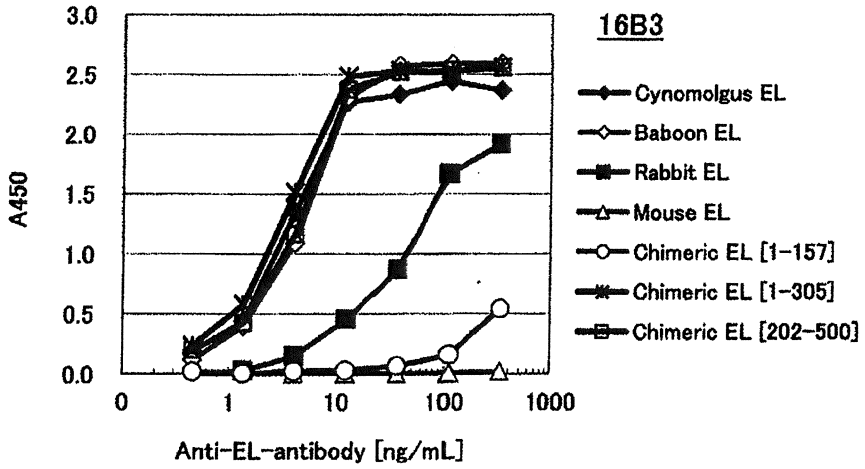


Figure3I

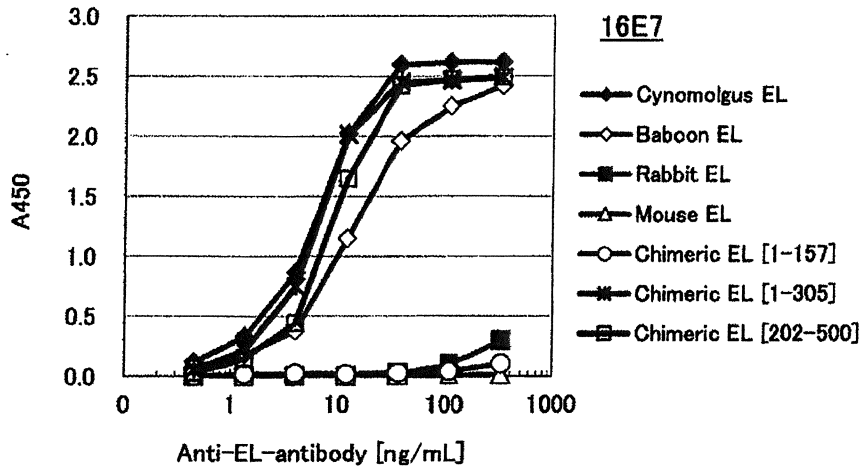


Figure3J

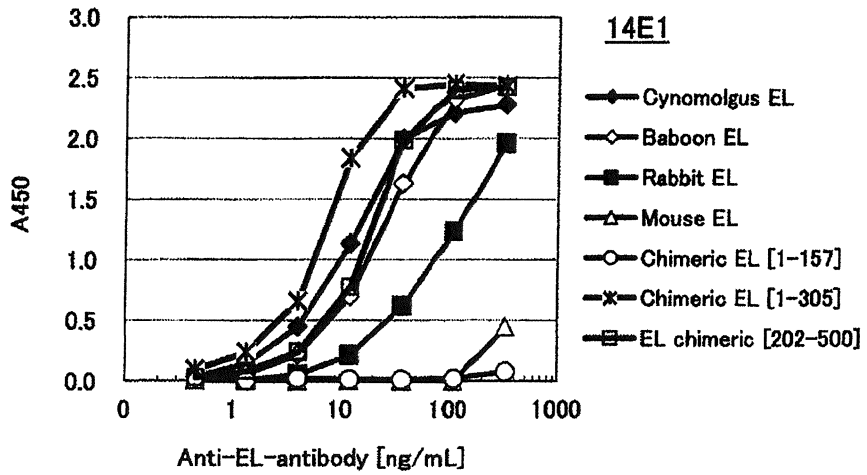


Figure3K

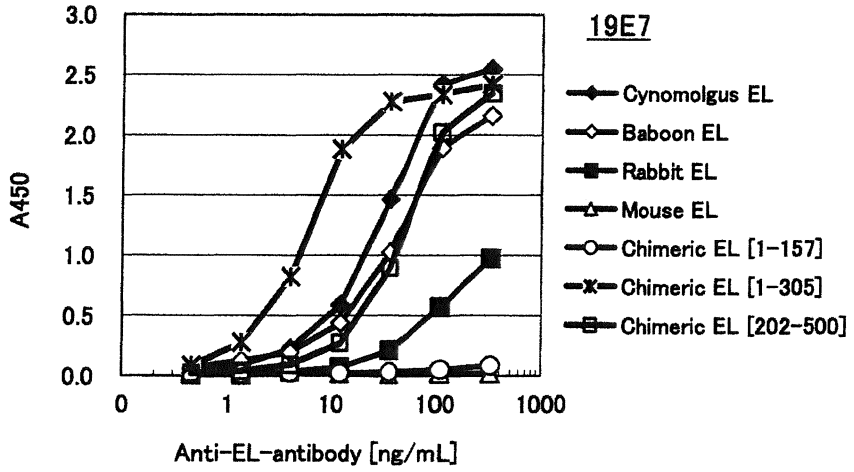


Figure3L

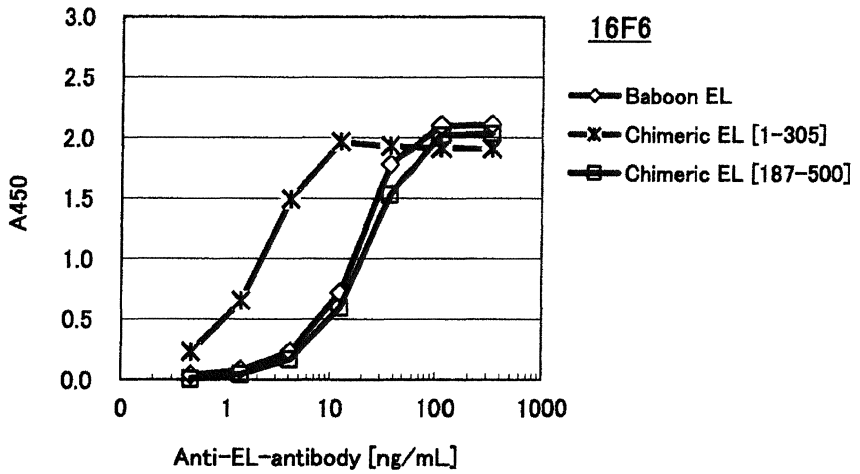


Figure4A

Heavy chain of 55A1

CDR1 CDR2

QIHLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKGLKWMGWINTYSGVPTYAGDF
KGRFAFSLETSASTAYLQINNLKNEDTATYFCARRGYYGRRYFDVWGTGTTVTVSS

CDR3

Light chain of 55A1

CDR1 CDR2

DIVLTQSPASLAVSLGQRATISCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGI
PARFSGGGSGTDFTLNIHPVEEEDVATYYCQQTIEDPPTFGGGTKLEIK

CDR3

Figure4B

Heavy chain of 7D4

CDR1 CDR2

QIQLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKDLKWMGWINTYSGVPTYADDF

KGRFAFSLETSASTAYLQINNLKNEDTATYFCARFSYYGRHYFDYWGQGTTLTVSS

CDR3

Light chain of 7D4

CDR1 CDR2

DIVLTQSPASLAVSLGQRATISCKASQSVDYDGDSYMNWYQQKPGQPPQLLIYAASNLGSGI

PARFSGSGSGTDFTLNIHPVEEEDAATYYCHQSTDDPPWTFGGGTKLEIK

CDR3

Figure4C

Heavy chain of 14A1

CDR1 CDR2

QIQLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKGLKWMGWINTYSGVPTYADDF

KGRFAFSLETSASTAYLQINNFKNEDTATYFCARFSYYGRHYFDYWGQGTALTASS

CDR3

Light chain of 14A1

CDR1 CDR2

DIVLTQSPASLAVSLGQRATISCKASQSVDYDGDSYMNWYQQKPGQPPKLLIYAASNLKSGI

PARFSGSGSGTDFTLNIHPVEEEDAATYYCQQTTDDPPWTFGGGTKLEIK

CDR3

Figure4D

Heavy chain of 2D5

CDR1 CDR2

QIQLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKGLKWMGWINTYSGVPTYTDDF

KGRFAFSLETSASTAFLQINNLKNEDTATYFCARFSYYGRHYFDYWGQGTTLTVSS

CDR3

Light chain of 2D5

CDR1 CDR2

DIVLTQSPASLAVSLGQRATISCKASQSVDYDGDSYMHWYQQKPGQPPKLLIYAASNLESGI

PARFSGSGSGTDFTLNIHPVEEEDAATYYCQQTNDDPPWTFGGGTKLEIK

CDR3

Figure4E

Heavy chain of 53A11

CDR1 CDR2

EVQLQQSGPELLKPGASVKISCKASGYTFTDYTMHWVKQSHGKSLEWIGGINPYYGGTTYNEKF

KDKATLTVDKSSSTAYMELRSLTSEDSAVYYCAKGDYYGGSYNYWGQGTTLTVSS

CDR3

Light chain of 53A11

CDR1 CDR2

DIVLTQSLATLSVTPGDSVSLSCRASQDISNSLHWYQQKSHESPRLLIKYASQSISGIPSRF

SGSGSGTDFTLSINSVETEDFGMYFCQQSNSWPYTFGGGTKLEIK

CDR3

Figure4F

Heavy chain of 13B3

CDR1 CDR2

EVQLQQSGPELLKPGASVKISCKASGYTFTEYTMHWVKQSHGKSLEWIGSINPYYGGTSYNEKF

KDKATLTVDKSSNTAYMEFRSLTSEDCAVYYCARYGNYVGYFDYWGQGTTLTVSS

CDR3

Light chain of 13B3

CDR1 CDR2

ENVLTQSPAIMSASLGEKVTMSCRASSSVHYMYWYQQKSDASPKLWIYYTSNLAPGVPDRFS

GSGSGNSYSLTISSMEGEDAATYYCQQFTSSPYTFGGGTKLEIK

CDR3

Figure4G

Heavy chain of 23H8

CDR1 CDR2

EVQLQQSGPELLKPGASVKISCKASGYTFTDNTIHWVKQSHGKSLEWIGHINPYYGGTNNNEKF

KDKATLTVDKSSSTAYMELRSLTSEDSAIYYCARKGIYYSSPFDYWGQGTTLTVSS

CDR3

Light chain of 23H8

CDR1 CDR2

DIQMTQTTSSLSASLGDRVTISCRASQDINNYLNWYQQKPDGTVKLLISYTSKLHSGVPS

RFSGSGSGTDYSLTISNLEREDFATYFCQQGNTLPFTFGSGTNLEIK

CDR3

Figure4H

Heavy chain of 16B3

CDR1 CDR2

DVKLVESGGGLVQPGGSLKLSCTASGFTFSGYTMSWVRQTPEKRLELVAEISFARDRAFYPDTV
KGRFTISRDNAKNTLYLQMSSLKSEDTAMYYCTRLGGRNHDYWYFDVWGTGTTVTVSS

CDR3

Light chain of 16B3

CDR1 CDR2

DIVLTQSPTSLAVSPGQRATISCRASESVEYYGTSLMQWYQQKPGQRPQLLIYAASNVESGV
PARFSGSGSGTDFSLNIHPVEEDDIAVYFCQQSWKVPFTFGSGTKLEIK

CDR3

Figure4I

Heavy chain of 16E7

CDR1 CDR2

EVKLVESGGGLVQPGGSLKLSCAASGFTFSSYTMSWVRQTPEKRLELVAEISFTRSRAFYPDTV
KGRFTISRDNAKNTLYLQMSSLKSEDTAMYYCARLGGNNYDYWYFDVWGTGTTVTVSS

CDR3

Light chain of 16E7

CDR1 CDR2

DIVLTQSPTSLAVSLGQRATISCRASESVEYYGTSLMQWYQQKPGQRPKLLIYAASNVESGV
PARFSGSGSGTDFSLNIHPVEEDDIAMYFCQQSWKVPFTFGSGTKLEIK

CDR3

Figure4J

Heavy chain of 14E1

CDR1 CDR2

QVQLQQSGAELVKPGASVRLSCKASGYTFTKYTIHWVKQRSGQGLEWIGWFYPGSDSIKYNEKF
KDKATLTADKSSRTVYMELSRLTSEDSAVYFCARHEEYTNSLAYWGQGTLVTVSA

CDR3

Light chain of 14E1

CDR1 CDR2

DIQMTQTTSSLSASLGDRVTISCRASQDISNYLNWYQQQPDGTVKLLIYYTSRLHSGVPSRF
SGSGSGTDYSLTISNLEQEDIATYFCQQGYTLPWTFGGGTNLEIK

CDR3

Figure4K

Heavy chain of 19E7

CDR1 CDR2

QVQLQQPGSVLVRPGASVKLSCKASGYTFTTYWMHWVKQRPGQGLEWIGEIHPYSGNNNNNEKF
KGKATLTVDTSSSTAYVDLSRLTSEDSAVYYCARYDSNYVFAYWGQGTLVTVSA

CDR3

Light chain of 19E7

CDR1 CDR2

QIVLTQSPAIMSASPGEGVTITCSASSSVSYMHWFQQKPGTSPKLWIYSTSNLASGVPARFS
GSGSGTSYSLTISRMEAEDAATYYCQQRDSYLTFGSGTKLEVK

CDR3

Figure4L

Heavy chain of 16F6

CDR1 CDR2

QVQLQQSGAELMKPGASVKISCKATGYTFSTYWIAWVKQRPGHGLEWIGEILPGSAKTKYNKKF
KGKATFTADTSSNTAYMQLSSLTSEDSAVYYCAVYDYGADYWGQGTSVTVSS

CDR3

Light chain of 16F6

CDR1 CDR2

DIVMTQSHKFMSTSVGDRVSITCKASQDVYTAVAWYQQKPGQSPKLLIYSASYRFTGVPDRF
TGSGAGTEFTFTINSVQAEDLAVYYCQQHYSIPRTFGGGTKLEIK

CDR3

Figure5A

```
55A1    1:QIHLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKGLKWMGWINTYSGVPTY 60
7D4     1:QIQLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKDLKWMGWINTYSGVPTY 60
14A1    1:QIQLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKGLKWMGWINTYSGVPTY 60
2D5     1:QIQLVQSGPELKKPGETVKISCKASGYTFTNYGMNWVKQAPGKGLKWMGWINTYSGVPTY 60

55A1   61:AGDFKGRFAFSLETSASTAYLQINNLKNEDTATYFCARRGYYGRRYFDVWGTGTTVTVSS 120
7D4    61:ADDFKGRFAFSLETSASTAYLQINNLKNEDTATYFCARFSYYGRHYFDYWGQGTTLTVSS 120
14A1   61:ADDFKGRFAFSLETSASTAYLQINNFKNEDTATYFCARFSYYGRHYFDYWGQGTALTASS 120
2D5    61:TDDFKGRFAFSLETSASTAFLQINNLKNEDTATYFCARFSYYGRHYFDYWGQGTTLTVSS 120
```

Figure5B

```
55A1    1:DIVLTQSPASLAVSLGQRATISCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLAS 60
7D4     1:DIVLTQSPASLAVSLGQRATISCKASQSVDYDGDSYMNWYQQKPGQPPQLLIYAASNLGS 60
14A1    1:DIVLTQSPASLAVSLGQRATISCKASQSVDYDGDSYMNWYQQKPGQPPKLLIYAASNLKS 60
2D5     1:DIVLTQSPASLAVSLGQRATISCKASQSVDYDGDSYMHWYQQKPGQPPKLLIYAASNLES 60

55A1   61:GIPARFSGGGSGTDFTLNIHPVEEEDVATYYCQQTIEDPP-TFGGGTKLEIK        111
7D4    61:GIPARFSGSGSGTDFTLNIHPVEEEDAATYYCHQSTDDPPWTFGGGTKLEIK        112
14A1   61:GIPARFSGSGSGTDFTLNIHPVEEEDAATYYCQQTTDDPPWTFGGGTKLEIK        112
2D5    61:GIPARFSGSGSGTDFTLNIHPVEEEDAATYYCQQTNDDPPWTFGGGTKLEIK        112
```

Figure5C

```
53A11   1:EVQLQQSGPELLKPGASVKISCKASGYTFTDYTMHWVKQSHGKSLEWIGGINPYYGGTTY 60
13B3    1:EVQLQQSGPELLKPGASVKISCKASGYTFTEYTMHWVKQSHGKSLEWIGSINPYYGGTSY 60
23H8    1:EVQLQQSGPELLKPGASVKISCKASGYTFTDNTIHWVKQSHGKSLEWIGHINPYYGGTNN 60

53A11  61:NEKFKDKATLTVDKSSSTAYMELRSLTSEDSAVYYCAKGD-YYGGSYNYWGQGTTLTVSS 119
13B3   61:NEKFKDKATLTVDKSSNTAYMEFRSLTSEDCAVYYCARYG-NYVGYFDYWGQGTTLTVSS 119
23H8   61:NEKFKDKATLTVDKSSSTAYMELRSLTSEDSAIYYCARKGIYYSSPFDYWGQGTTLTVSS 120
```

Figure5D

```
53A11   1:DIVLTQSLATLSVTPGDSVSLSCRASQDISNSLHWYQQKSHESPRLLIKYASQSISGIPS 60
13B3    1:ENVLTQSPAIMSASLGEKVTMSCRASSSV-HYMYWYQQKSDASPKLWIYYTSNLAPGVPD 59
23H8    1:DIQMTQTTSSLSASLGDRVTISCRASQDINNYLNWYQQKPDGTVKLLISYTSKLHSGVPS 60

53A11  61:RFSGSGSGTDFTLSINSVETEDFGMYFCQQSNSWPYTFGGGTKLEIK             107
13B3   60:RFSGSGSGNSYSLTISSMEGEDAATYYCQQFTSSPYTFGGGTKLEIK             106
23H8   61:RFSGSGSGTDYSLTISNLEREDFATYFCQQGNTLPFTFGSGTNLEIK             107
```

Figure6A

```
16B3    1:DVKLVESGGGLVQPGGSLKLSCTASGFTFSGYTMSWVRQTPEKRLELVAEISFARDRAFY 60
16E7    1:EVKLVESGGGLVQPGGSLKLSCAASGFTFSSYTMSWVRQTPEKRLELVAEISFTRSRAFY 60

16B3   61:PDTVKGRFTISRDNAKNTLYLQMSSLKSEDTAMYYCTRLGGRNHDYWYFDVWGTGTTVTV 120
16E7   61:PDTVKGRFTISRDNAKNTLYLQMSSLKSEDTAMYYCARLGGNNYDYWYFDVWGTGTTVTV 120

16B3  121:SS                                                          122
16E7  121:SS                                                          122
```

Figure6B

```
16B3    1:DIVLTQSPTSLAVSPGQRATISCRASESVEYYGTSLMQWYQQKPGQRPQLLIYAASNVES 60
16E7    1:DIVLTQSPTSLAVSLGQRATISCRASESVEYYGTSLMQWYQQKPGQRPKLLIYAASNVES 60

16B3   61:GVPARFSGSGSGTDFSLNIHPVEEDDIAVYFCQQSWKVPFTFGSGTKLEIK         111
16E7   61:GVPARFSGSGSGTDFSLNIHPVEEDDIAMYFCQQSWKVPFTFGSGTKLEIK         111
```

Figure6C

```
14E1    1:QVQLQQSGAELVKPGASVRLSCKASGYTFTKYTIHWVKQRSGQGLEWIGWFYPGSDSIKY 60
19E7    1:QVQLQQPGSVLVRPGASVKLSCKASGYTFTTYWMHWVKQRPGQGLEWIGEIHPYSGNNNN 60

14E1   61:NEKFKDKATLTADKSSRTVYMELSRLTSEDSAVYFCARHEEYTNSLAYWGQGTLVTVSA 119
19E7   61:NEKFKGKATLTVDTSSSTAYVDLSRLTSEDSAVYYCARYDS-NYVFAYWGQGTLVTVSA 118
```

Figure6D

```
14E1    1:DIQMTQTTSSLSASLGDRVTISCRASQDISNYLNWYQQQPDGTVKLLIYYTSRLHSGVPS 60
19E7    1:QIVLTQSPAIMSASPGEGVTITCSASSSVS-YMHWFQQKPGTSPKLWIYSTSNLASGVPA 59

14E1   61:RFSGSGSGTDYSLTISNLEQEDIATYFCQQGYTLPWTFGGGTNLEIK             107
19E7   60:RFSGSGSGTSYSLTISRMEAEDAATYYCQQRDSY-LTFGSGTKLEVK             105
```

Figure7A

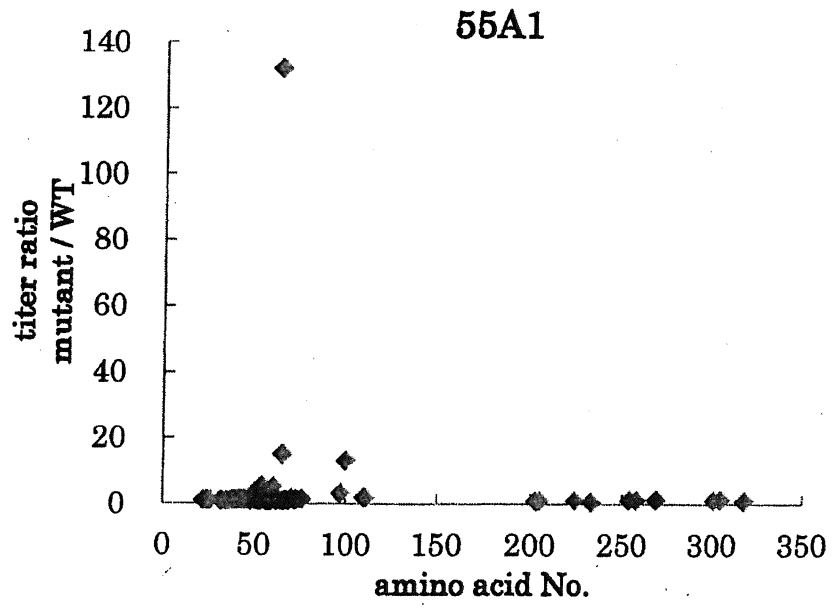


Figure7B

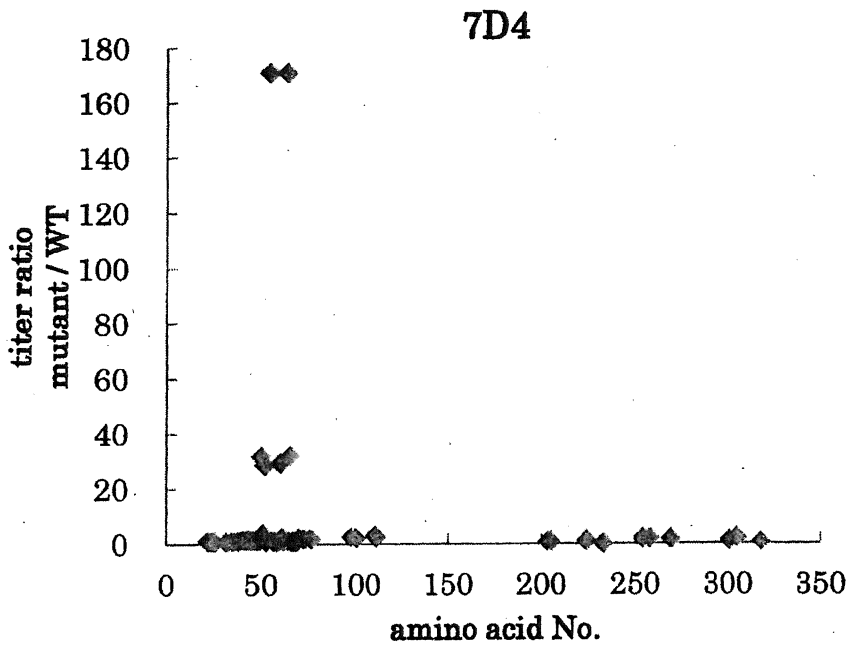


Figure7C

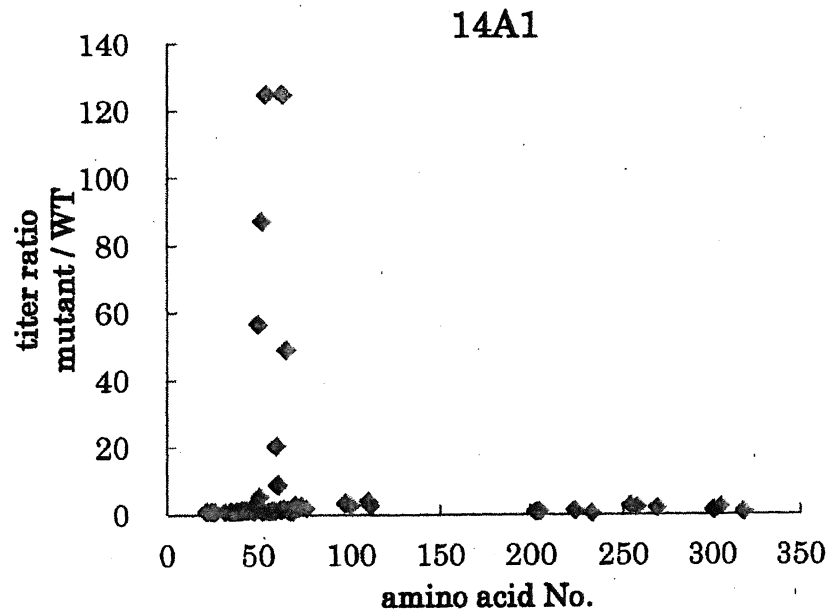


Figure7D

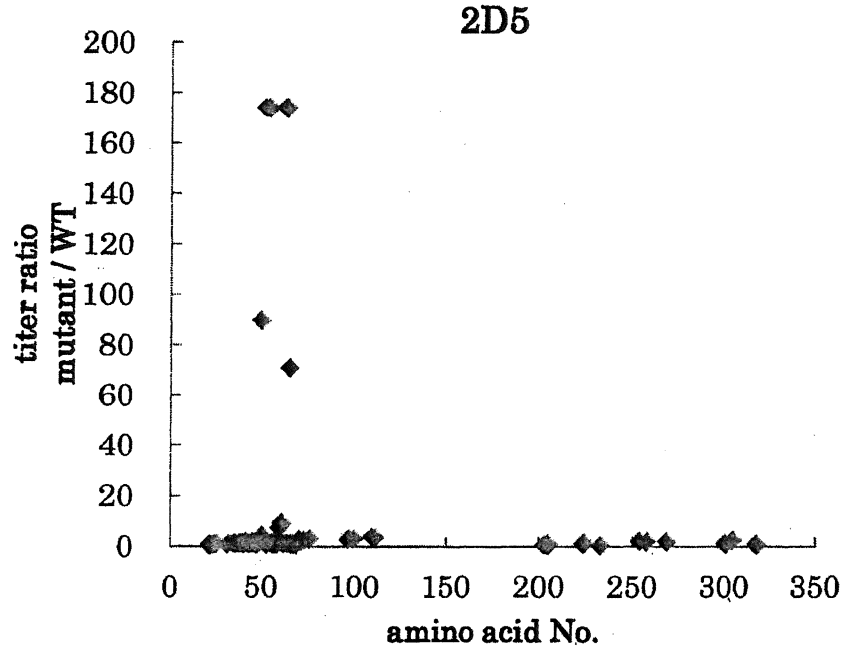


Figure7E

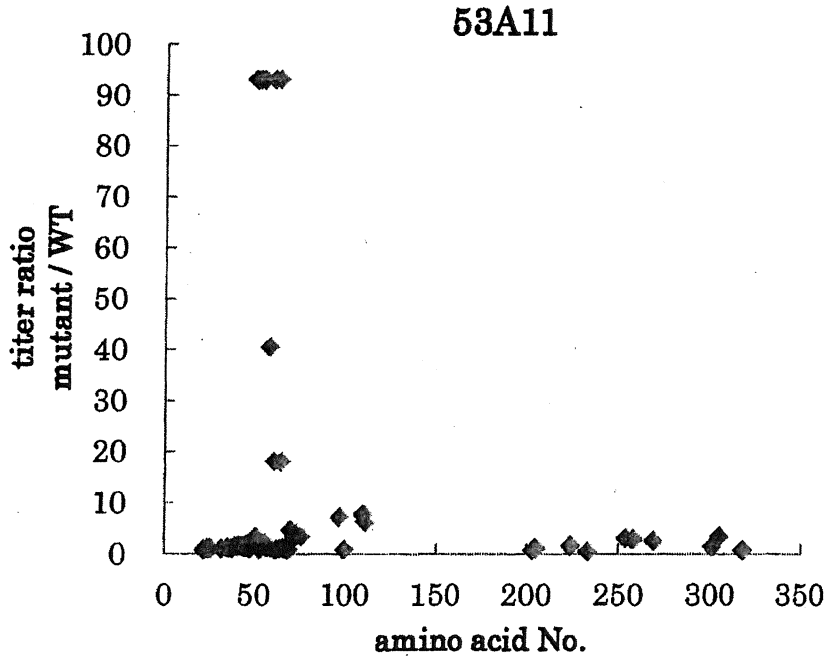


Figure7F

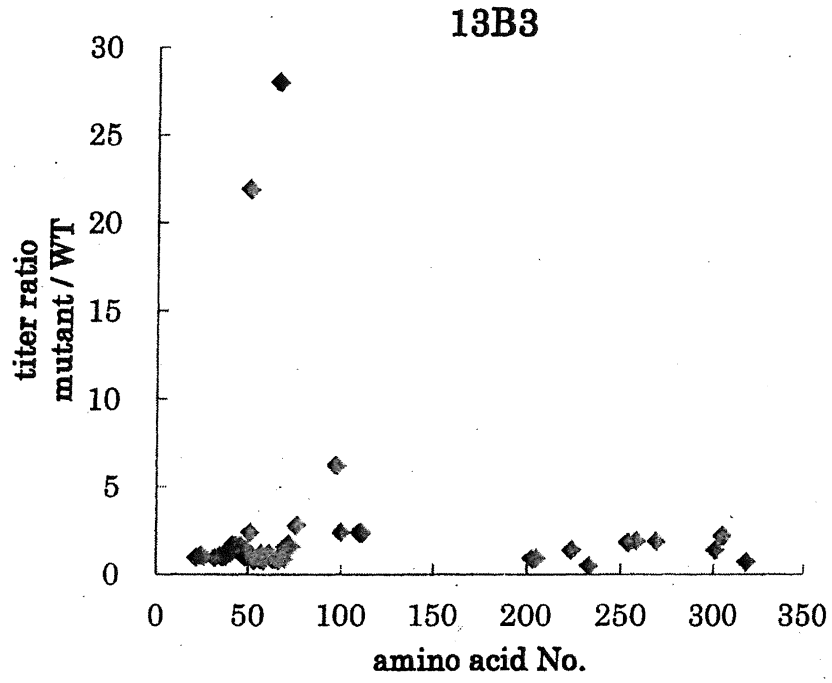


Figure7G

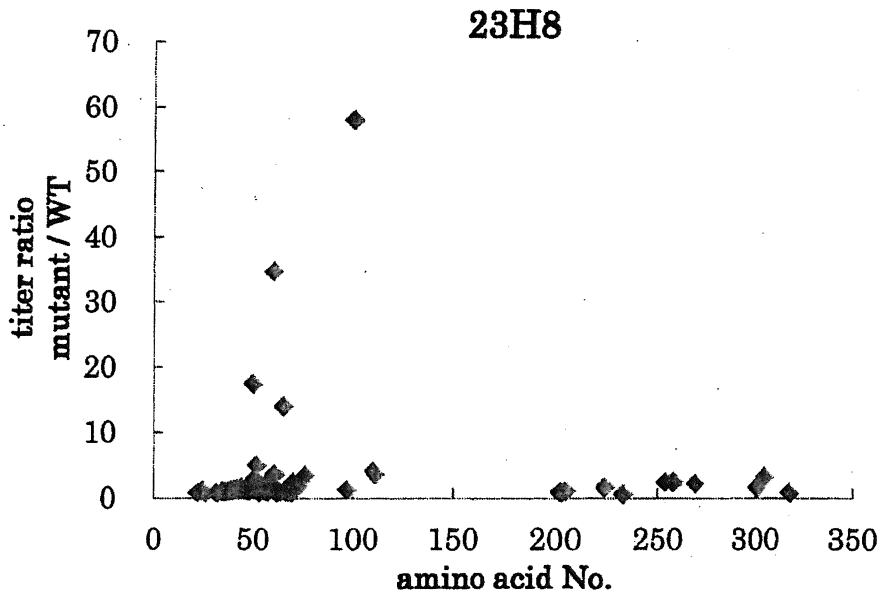


Figure7H

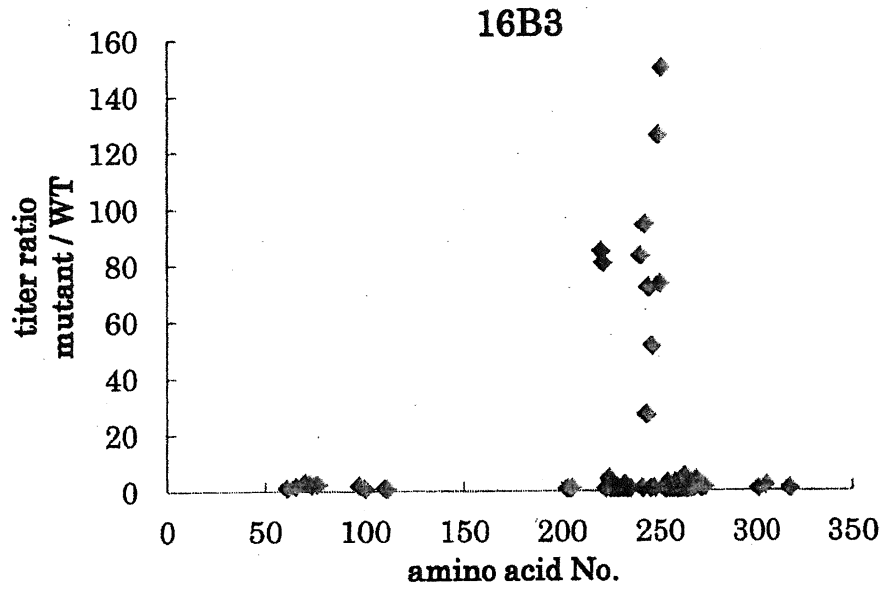


Figure7I

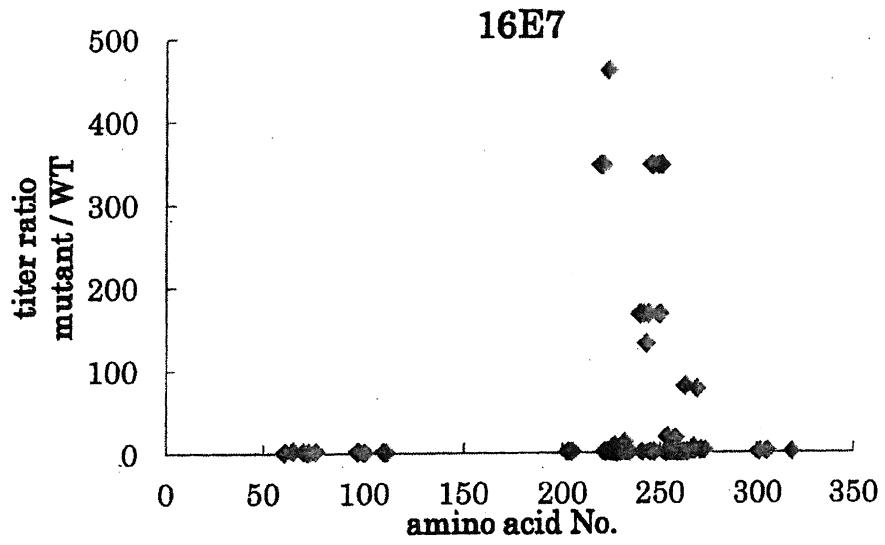


Figure7J

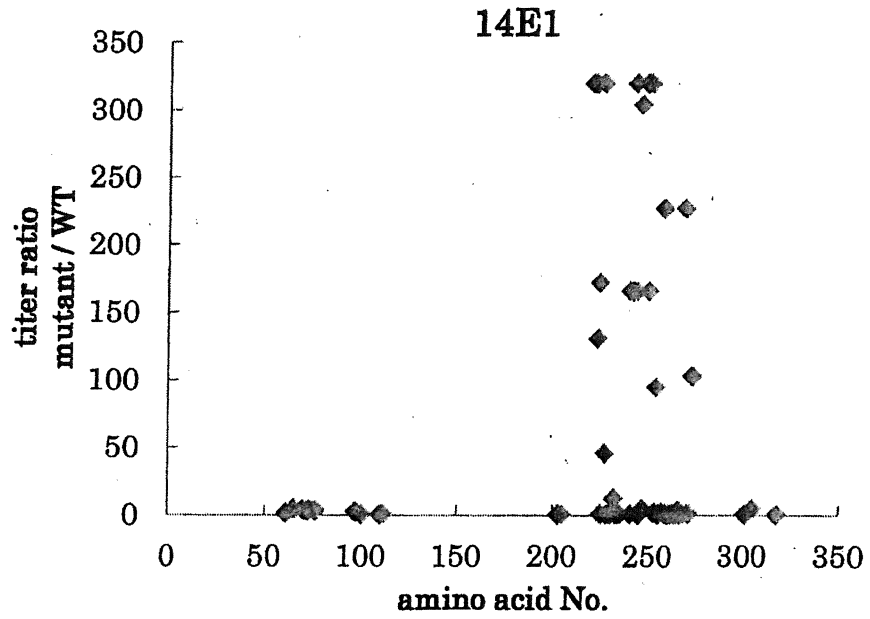


Figure7K

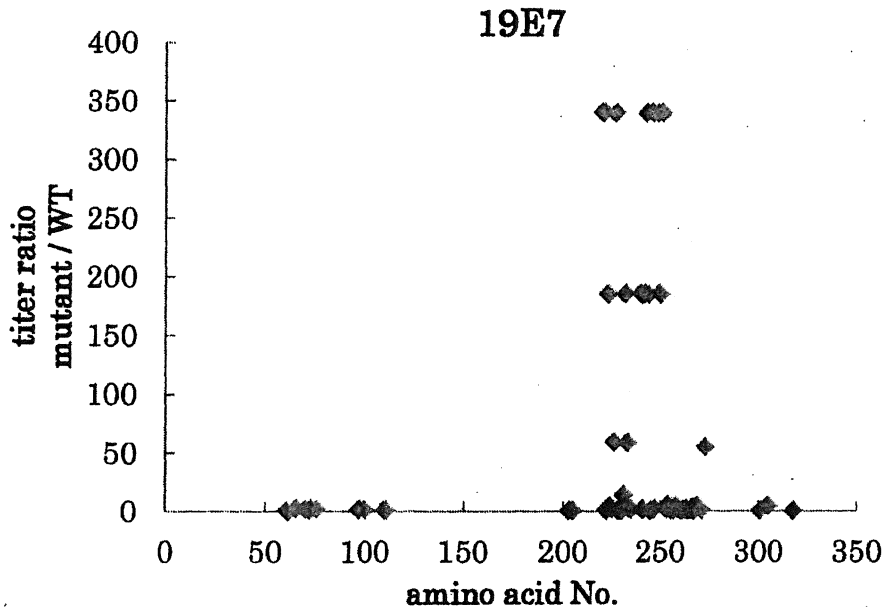


Figure7L

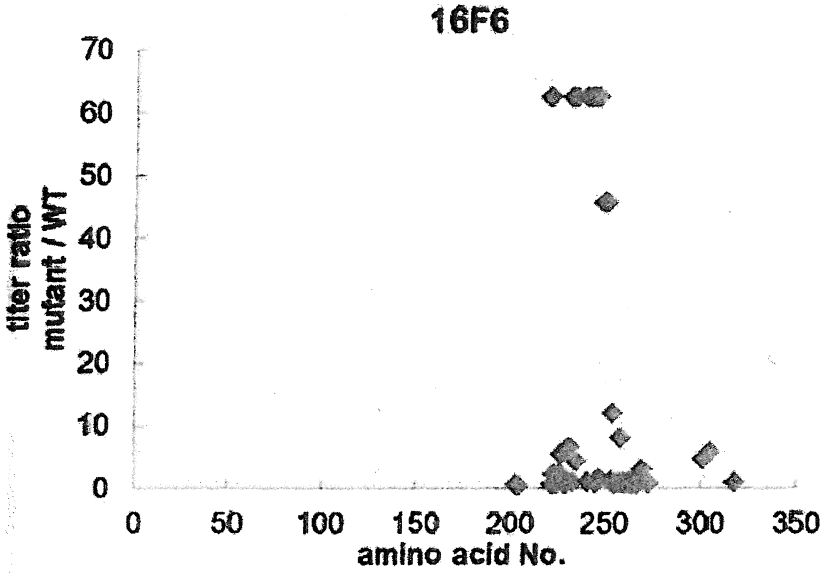


Figure8A

Heavy chain of h16B3

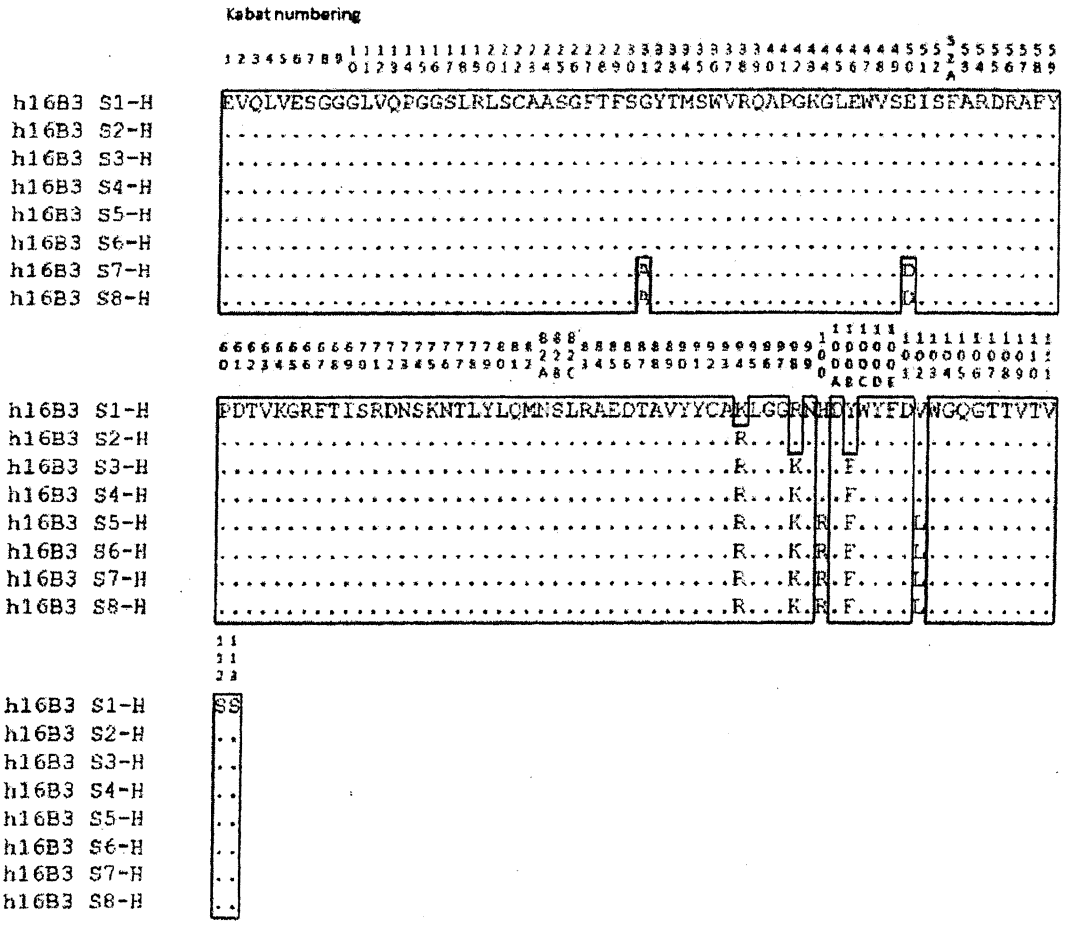


Figure8B

Light chain of h16B3



Figure8C

Heavy chain of h16B3

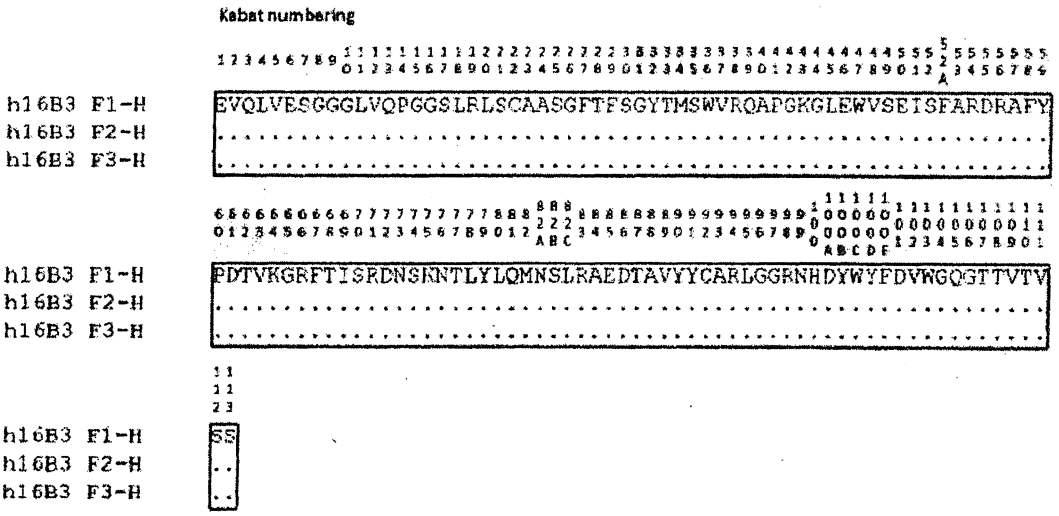


Figure8D

Light chain of h16B3

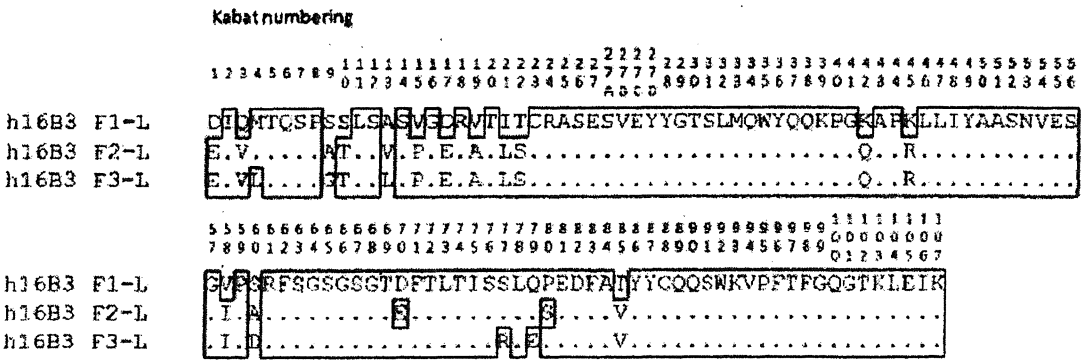


Figure9A

Heavy chain of h55A1

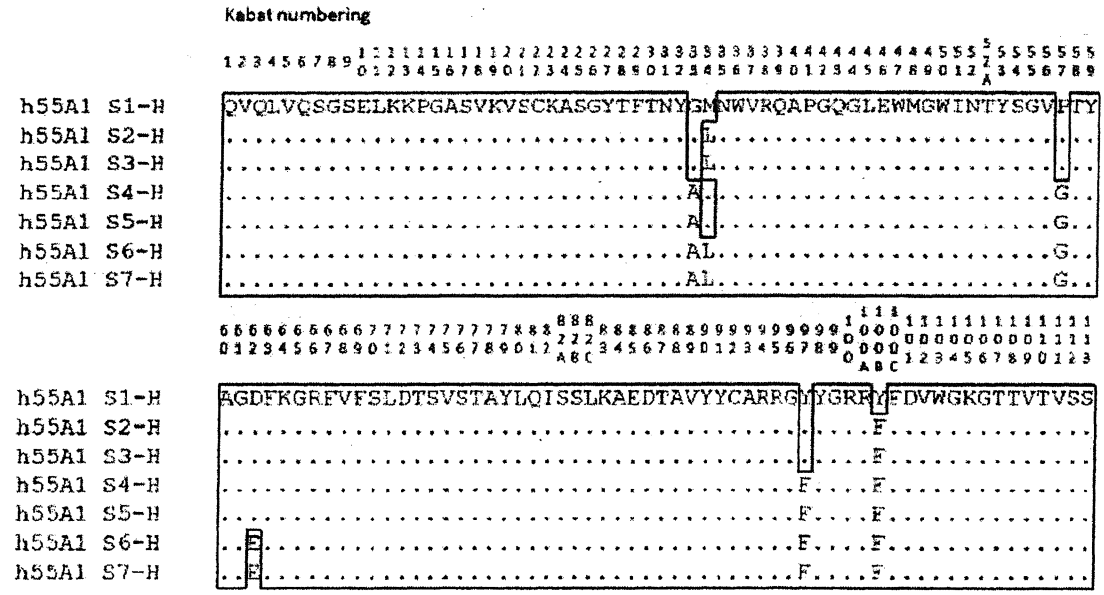


Figure9B

Light chain of h55A1

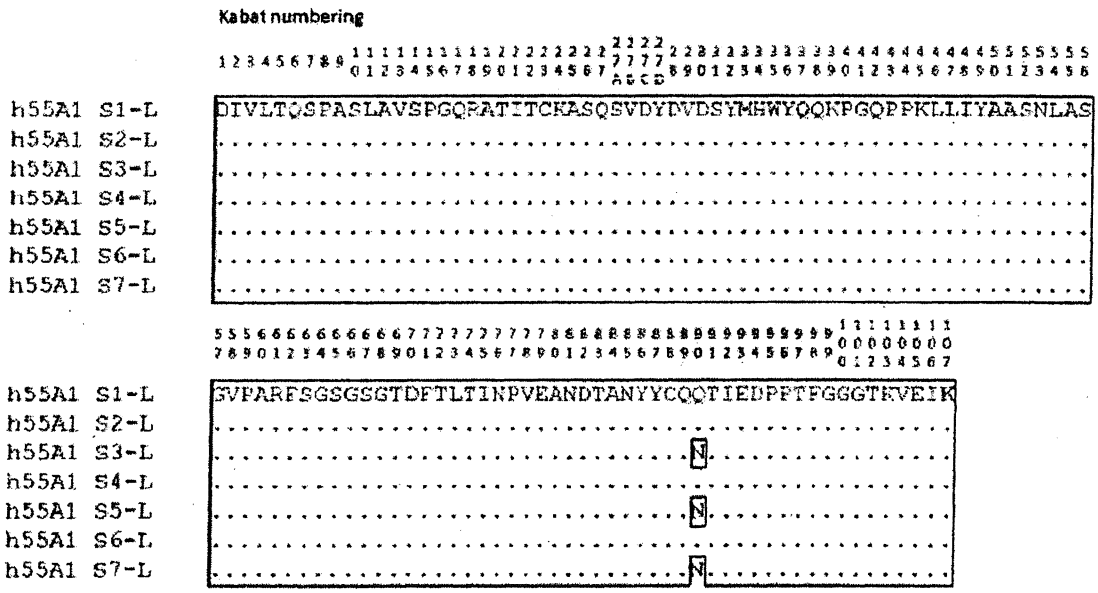


Figure9C

Heavy chain of h55A1

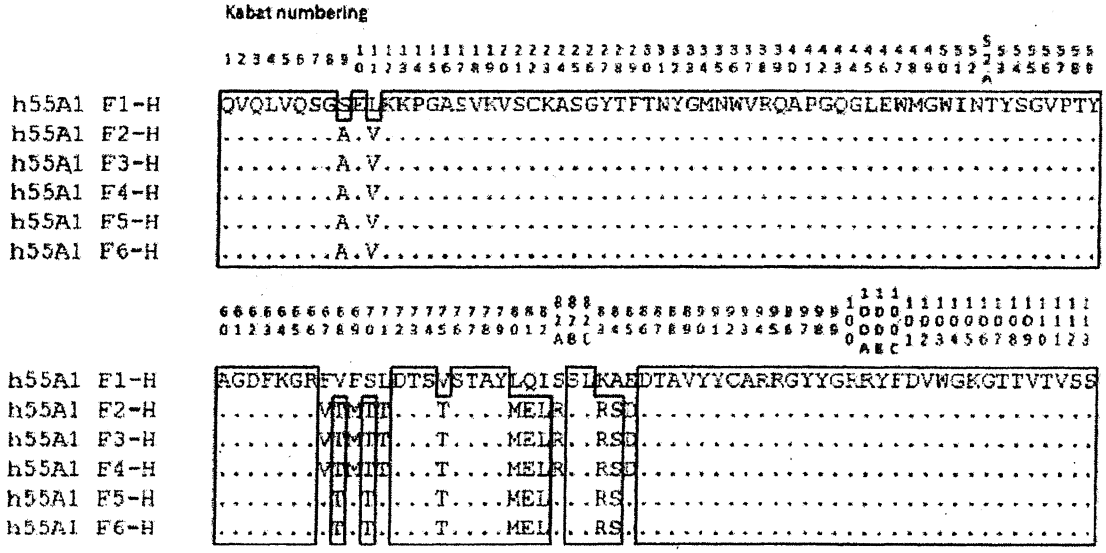


Figure9D

Light chain of h55A1

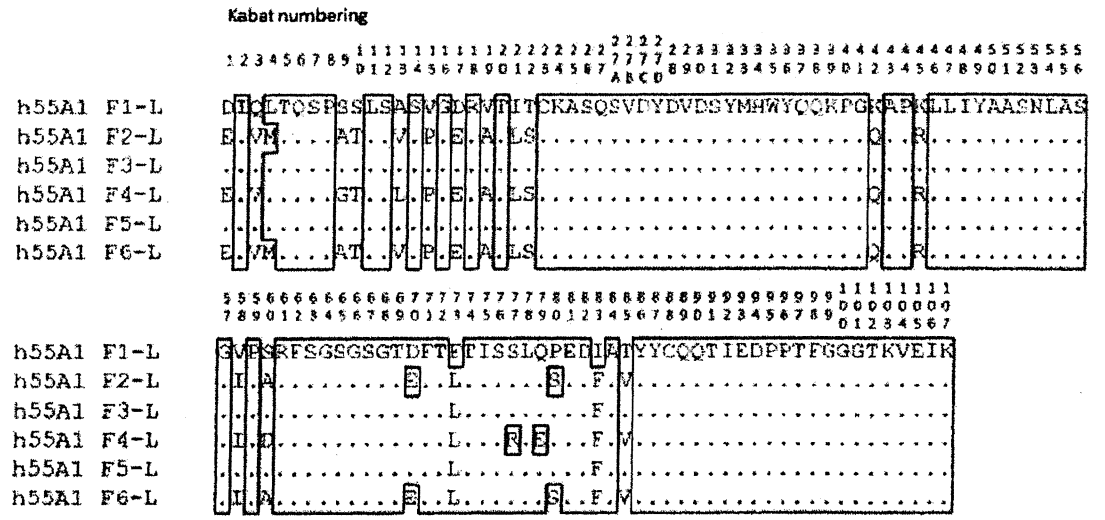


Figure10A

Heavy chain of h53A11

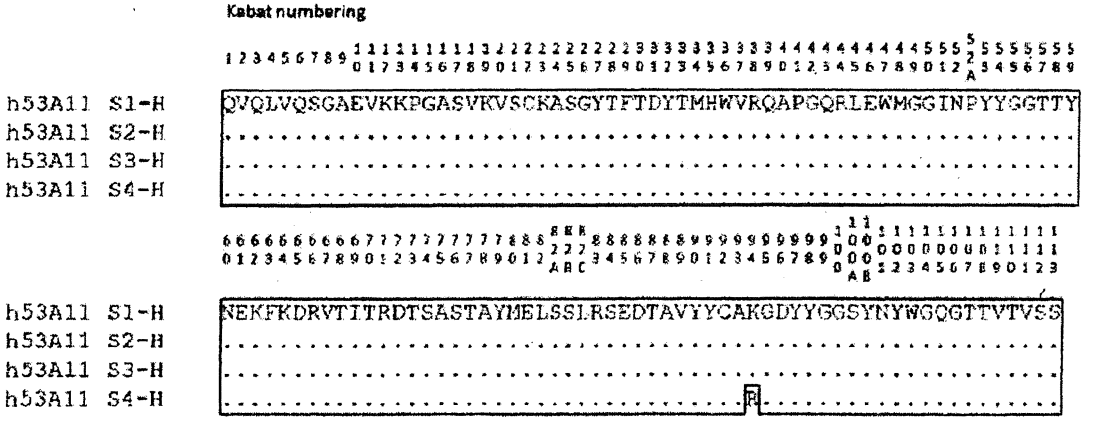


Figure10B

Light chain of h53A11

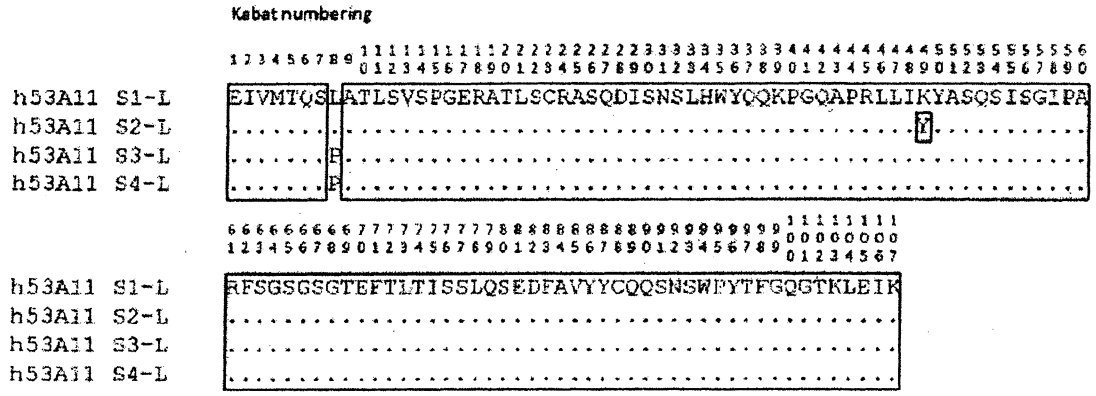


Figure11A

Heavy chain of h23H8

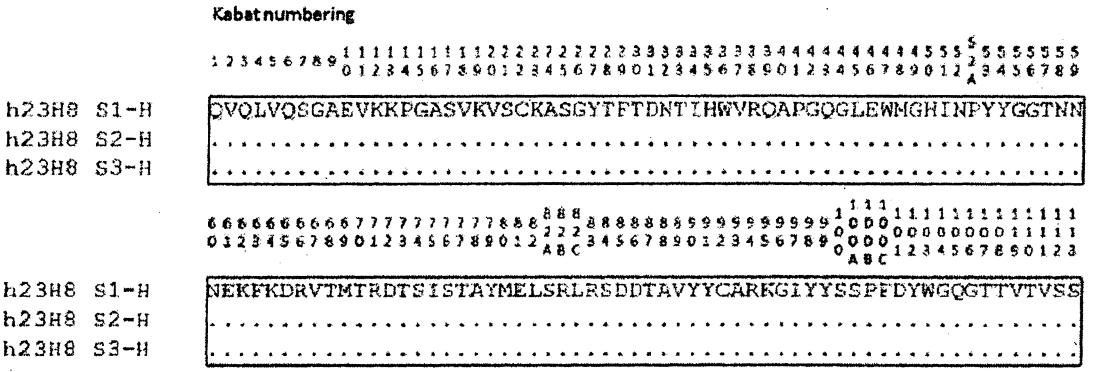


Figure11B

Light chain of h23H8

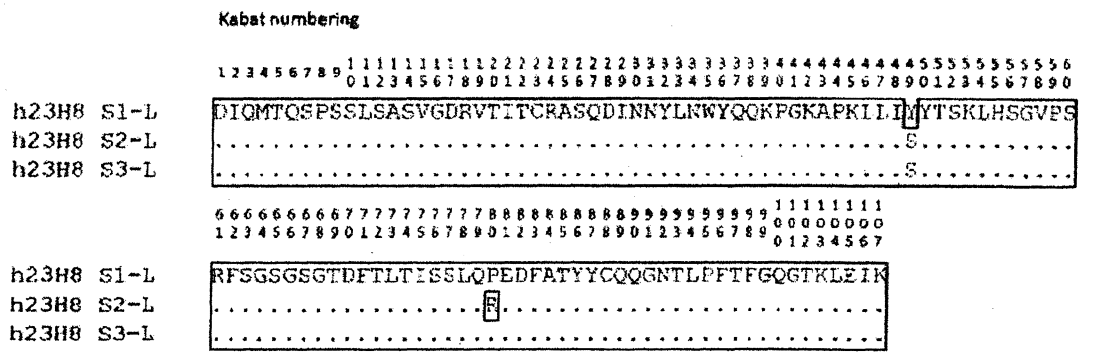


Figure12A

Heavy chain of h13B3

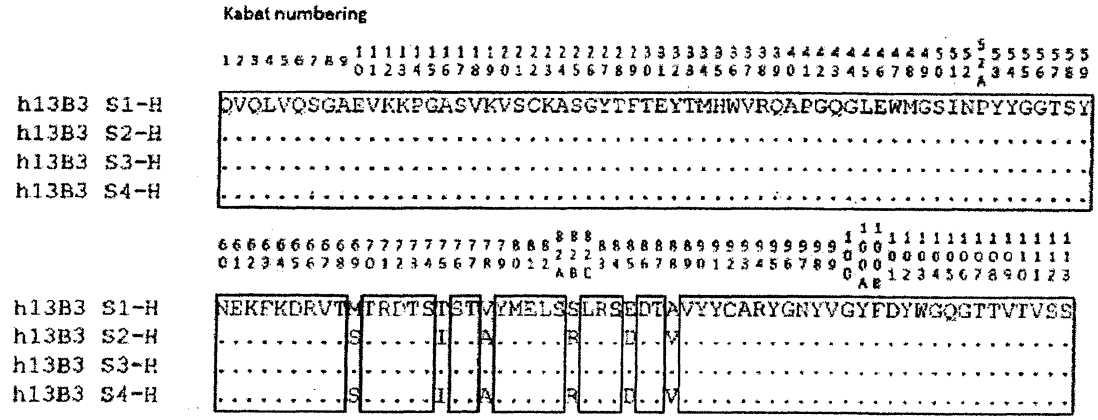


Figure12B

Light chain of h13B3

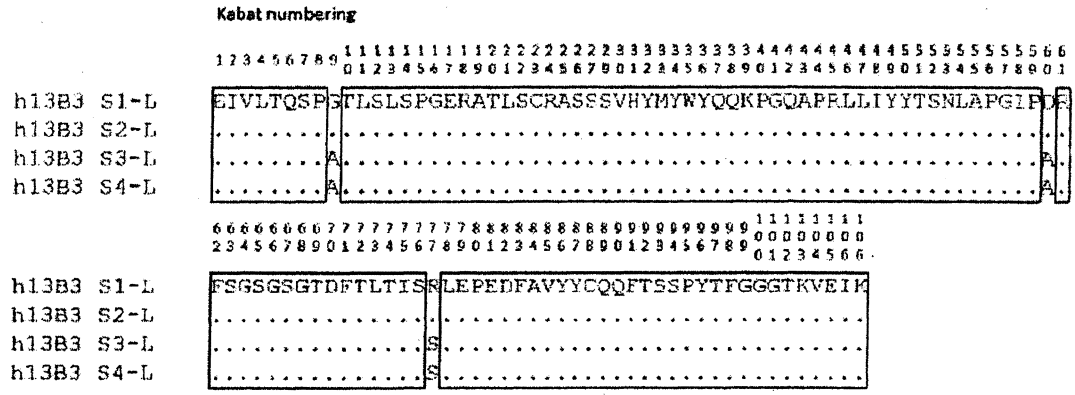


Figure13A

Heavy chain of h12B10

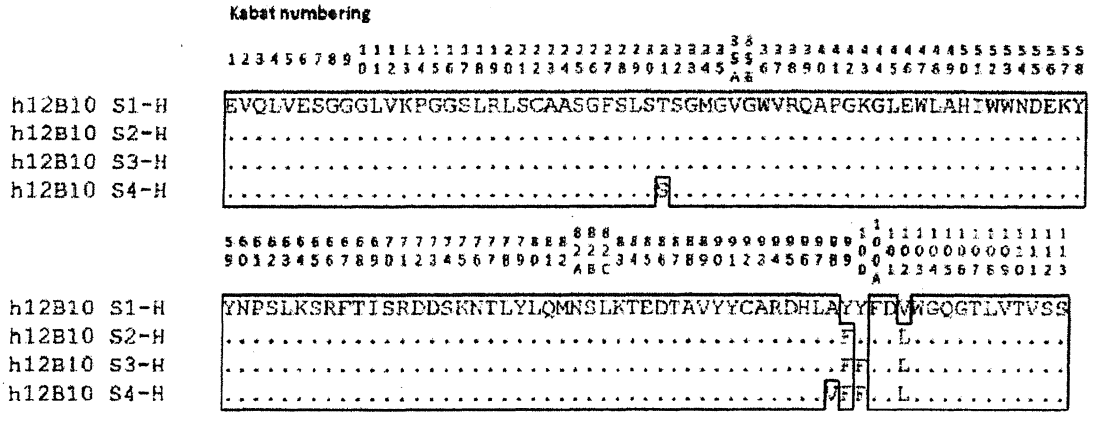


Figure13B

Light chain of h12B10

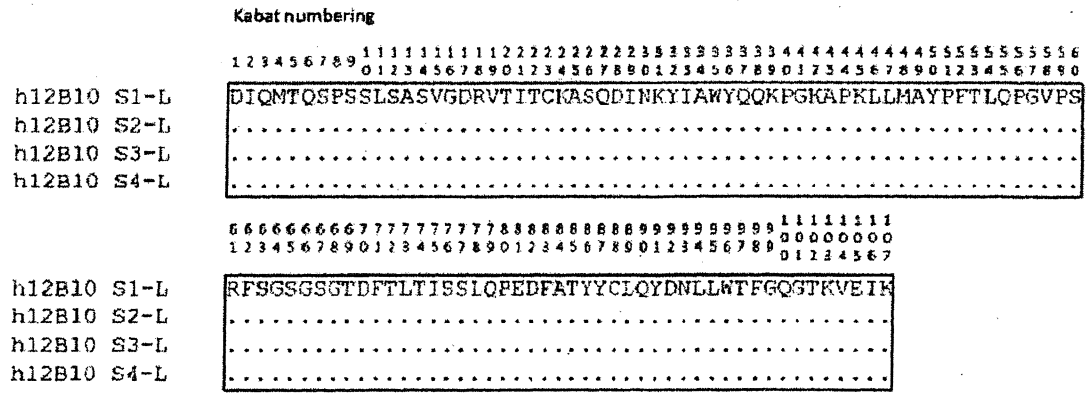


Figure14A

Heavy chain of h16F6

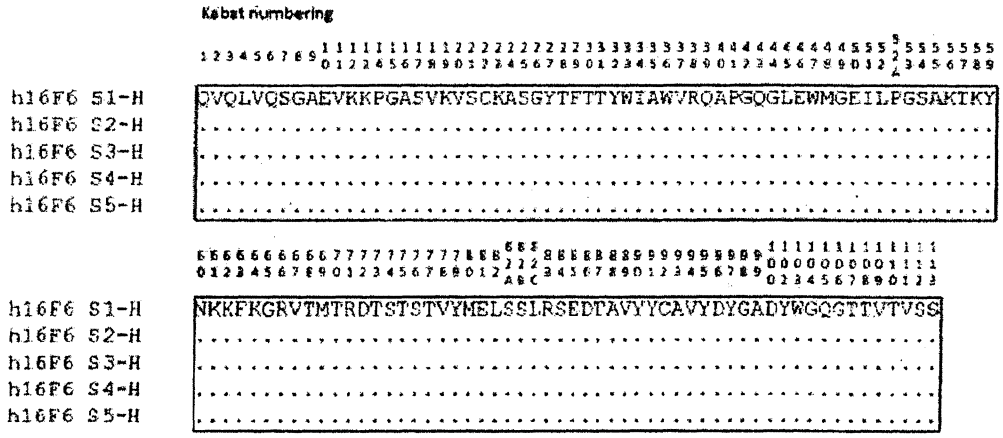


Figure14B

Light chain of h16F6

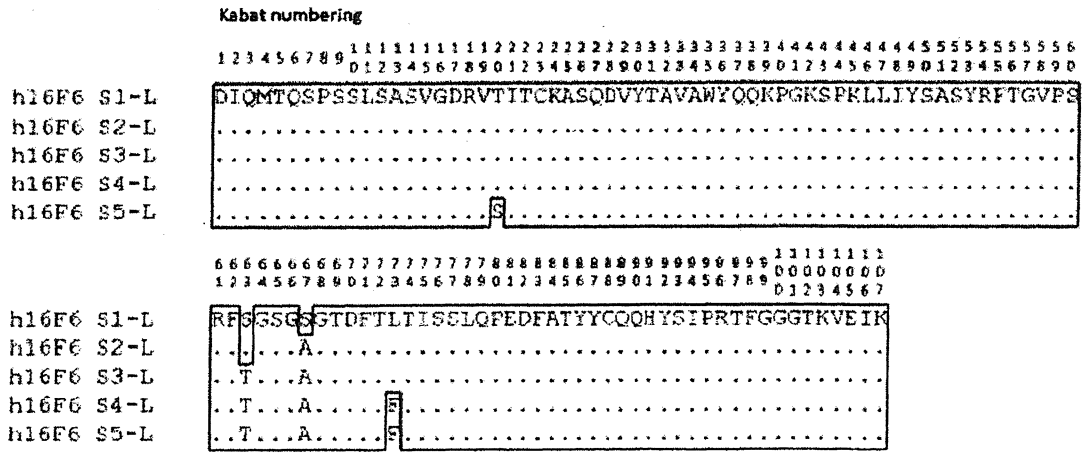


Figure15A

Heavy chain of h16B3-S1

CDR1 CDR2
EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKLGGRNHDYWYFDVWGQGTTVTVSS
CDR3

Light chain of h16B3-S1

CDR1 CDR2
DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWKVPFTFGQGTKLEIK
CDR3

Figure15B

Heavy chain of h16B3-S2

CDR1 CDR2
EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGRNHDYWYFDVWGQGTTVTVSS
CDR3

Light chain of h16B3-S2

CDR1 CDR2
DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWKVPFTFGQGTKLEIK
CDR3

Figure15C

Heavy chain of h16B3-S3

CDR1 CDR2
EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGKNHDFWYFDVWGQGTTVTVSS
CDR3

Light chain of h16B3-S3

CDR1 CDR2
DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWKVPFTFGQGTKLEIK
CDR3

Figure15D

Heavy chain of h16B3-S4

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGKNHDFWYFDVWGQGTTVTVSS

CDR3

Light chain of h16B3-S4

CDR1 CDR2

DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWRVPFTFGQGTKLEIK

CDR3

Figure15E

Heavy chain of h16B3-S5

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGKNRDFWYFDLWGQGTTVTVSS

CDR3

Light chain of h16B3-S5

CDR1 CDR2

DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWKVPFTFGQGTKLEIK

CDR3

Figure15F

Heavy chain of h16B3-S6

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGKNRDFWYFDLWGQGTTVTVSS

CDR3

Light chain of h16B3-S6

CDR1 CDR2

DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWRVPFTFGQGTKLEIK

CDR3

Figure15G

Heavy chain of h16B3-S7

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSAYTMSWVRQAPGKGLEWVSDISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGKNRDFWYFDLWGQGTTVTVSS

CDR3

Light chain of h16B3-S7

CDR1 CDR2

DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWKVPFTFGQGTKLEIK

CDR3

Figure15H

Heavy chain of h16B3-S8

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSAYTMSWVRQAPGKGLEWVSDISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGKNRDFWYFDLWGQGTTVTVSS

CDR3

Light chain of h16B3-S8

CDR1 CDR2

DIVMTQSPDSLAVSLGERATINCRASESVEYYGTSLMQWYQQKPGQPPKLLIYAASNVESGVPDRFS
GSGSGTDFTLTISSLQAEDVAVYYCQQSWRVPFTFGQGTKLEIK

CDR3

Figure15I

Heavy chain of h16B3-F1

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGRNHDYWYFDVWGQGTTVTVSS

CDR3

Light chain of h16B3-F1

CDR1 CDR2

DIQMTQSPSSLSASVGDRVTITCRASESVEYYGTSLMQWYQQKPGKAPKLLIYAASNVESGVPSRFS
GSGSGTDFTLTISSLQPEDFATYYCQQSWKVPFTFGQGTKLEIK

CDR3

Figure15J

Heavy chain of h16B3-F2

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGRNHDYWYFDVWGQGTTVTVSS

CDR3

Light chain of h16B3-F2

CDR1 CDR2

EIVMTQSPATLSVSPGERATLSCRASESVEYYGTSLMQWYQQKPGQAPRLLIYAASNVESGIPARFS
GSGSGTEFTLTISSLQSEDFAVYYCQQSWKVPFTFGQGTKLEIK

CDR3

Figure15K

Heavy chain of h16B3-F3

CDR1 CDR2

EVQLVESGGGLVQPGGSLRLSCAASGFTFSGYTMSWVRQAPGKGLEWVSEISFARDRAFYPDTVKG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGRNHDYWYFDVWGQGTTVTVSS

CDR3

Light chain of h16B3-F3

CDR1 CDR2

EIVLTQSPGTLSLSPGERATLSCRASESVEYYGTSLMQWYQQKPGQAPRLLIYAASNVESGIPDRFS
GSGSGTDFTLTISRLEPEDFAVYYCQQSWKVPFTFGQGTKLEIK

CDR3

Figure16A

Heavy chain of h55A1-S1

CDR1 CDR2

QVQLVQSGSELKKPGASVKVSCKASGYTFTNYGMNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGYYGRRYFDVWGKGTTVTVSS

CDR3

Light chain of h55A1-S1

CDR1 CDR2

DIVLTQSPASLAVSPGQRATITCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGVPARFS
GSGSGTDFTLTINPVEANDTANYYCQQTIEDPPTFGGGTKVEIK

CDR3

Figure16B

Heavy chain of h55A1-S2

```
                                    CDR1                                CDR2
QVQLVQSGSELKKPGASVKVSCKASGYTFTNYGLNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGYYGRRFFDVWGKGTTVTVSS
                                    CDR3
```

Light chain of h55A1-S2

```
                                CDR1                                CDR2
DIVLTQSPASLAVSPGQRATITCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGVPARFS
GSGSGTDFTLTINPVEANDTANYYCQQTIEDPPTFGGGTKVEIK
                                CDR3
```

Figure16C

Heavy chain of h55A1-S3

```
                                    CDR1                                CDR2
QVQLVQSGSELKKPGASVKVSCKASGYTFTNYGLNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGYYGRRFFDVWGKGTTVTVSS
                                    CDR3
```

Light chain of h55A1-S3

```
                                CDR1                                CDR2
DIVLTQSPASLAVSPGQRATITCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGVPARFS
GSGSGTDFTLTINPVEANDTANYYCQNTIEDPPTFGGGTKVEIK
                                CDR3
```

Figure16D

Heavy chain of h55A1-S4

```
                                    CDR1                                CDR2
QVQLVQSGSELKKPGASVKVSCKASGYTFTNYAMNWVRQAPGQGLEWMGWINTYSGVGTYAGDFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGFYGRRFFDVWGKGTTVTVSS
                                    CDR3
```

Light chain of h55A1-S4

```
                                CDR1                                CDR2
DIVLTQSPASLAVSPGQRATITCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGVPARFS
GSGSGTDFTLTINPVEANDTANYYCQQTIEDPPTFGGGTKVEIK
                                CDR3
```

Figure16E

Heavy chain of h55A1-S5

```
                                  CDR1                                CDR2
QVQLVQSGSELKKPGASVKVSCKASGYTFTNYAMNWVRQAPGQGLEWMGWINTYSGVGTYAGDFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGFYGRRFFDVWGKGTTVTVSS
                                  CDR3
```

Light chain of h55A1-S5

```
                          CDR1                                CDR2
DIVLTQSPASLAVSPGQRATITCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGVPARFS
GSGSGTDFTLTINPVEANDTANYYCQNTIEDPPTFGGGTKVEIK
                          CDR3
```

Figure16F

Heavy chain of h55A1-S6

```
                                  CDR1                                CDR2
QVQLVQSGSELKKPGASVKVSCKASGYTFTNYALNWVRQAPGQGLEWMGWINTYSGVGTYAGEFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGFYGRRFFDVWGKGTTVTVSS
                                  CDR3
```

Light chain of h55A1-S6

```
                          CDR1                                CDR2
DIVLTQSPASLAVSPGQRATITCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGVPARFS
GSGSGTDFTLTINPVEANDTANYYCQQTIEDPPTFGGGTKVEIK
                          CDR3
```

Figure16G

Heavy chain of h55A1-S7

```
                                  CDR1                                CDR2
QVQLVQSGSELKKPGASVKVSCKASGYTFTNYALNWVRQAPGQGLEWMGWINTYSGVGTYAGEFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGFYGRRFFDVWGKGTTVTVSS
                                  CDR3
```

Light chain of h55A1-S7

```
                          CDR1                                CDR2
DIVLTQSPASLAVSPGQRATITCKASQSVDYDVDSYMHWYQQKPGQPPKLLIYAASNLASGVPARFS
GSGSGTDFTLTINPVEANDTANYYCQNTIEDPPTFGGGTKVEIK
                          CDR3
```

Figure16H

Heavy chain of h55A1-F1

CDR1 CDR2

QVQLVQSGSELKKPGASVKVSCKASGYTFTNYGMNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RFVFSLDTSVSTAYLQISSLKAEDTAVYYCARRGYYGRRYFDVWGKGTTVTVSS

CDR3

Light chain of h55A1-F1

CDR1 CDR2

DIQLTQSPSSLSASVGDRVTITCKASQSVDYDVDSYMHWYQQKPGKAPKLLIYAASNLASGVPSRFS
GSGSGTDFTFTISSLQPEDIATYYCQQTIEDPPTFGGGTKVEIK

CDR3

Figure16I

Heavy chain of h55A1-F2

CDR1 CDR2

QVQLVQSGAEVKKPGASVKVSCKASGYTFTNYGMNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RVTMTTDTSTSTAYMELRSLRSDDTAVYYCARRGYYGRRYFDVWGKGTTVTVSS

CDR3

Light chain of h55A1-F2

CDR1 CDR2

EIVMTQSPATLSVSPGERATLSCKASQSVDYDVDSYMHWYQQKPGQAPRLLIYAASNLASGIPARFS
GSGSGTEFTLTISSLQSEDFAVYYCQQTIEDPPTFGGGTKVEIK

CDR3

Figure16J

Heavy chain of h55A1-F3

CDR1 CDR2

QVQLVQSGAEVKKPGASVKVSCKASGYTFTNYGMNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RVTMTTDTSTSTAYMELRSLRSDDTAVYYCARRGYYGRRYFDVWGKGTTVTVSS

CDR3

Light chain of h55A1-F3

CDR1 CDR2

DIQLTQSPSSLSASVGDRVTITCKASQSVDYDVDSYMHWYQQKPGKAPKLLIYAASNLASGVPSRFS
GSGSGTDFTLTISSLQPEDFATYYCQQTIEDPPTFGGGTKVEIK

CDR3

Figure16K

Heavy chain of h55A1-F4

CDR1 CDR2

QVQLVQSGAEVKKPGASVKVSCKASGYTFTNYGMNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RVTMTTDTSTSTAYMELRSLRSDDTAVYYCARRGYYGRRYFDVWGKGTTVTVSS
CDR3

Light chain of h55A1-F4

CDR1 CDR2

EIVLTQSPGTLSLSPGERATLSCKASQSVDYDVDSYMHWYQQKPGQAPRLLIYAASNLASGIPDRFS
GSGSGTDFTLTISRLEPEDFAVYYCQQTIEDPPTFGGGTKVEIK
CDR3

Figure16L

Heavy chain of h55A1-F5

CDR1 CDR2

QVQLVQSGAEVKKPGASVKVSCKASGYTFTNYGMNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RFTFTLDTSTSTAYMELSSLRSEDTAVYYCARRGYYGRRYFDVWGKGTTVTVSS
CDR3

Light chain of h55A1-F5

CDR1 CDR2

DIQLTQSPSSLSASVGDRVTITCKASQSVDYDVDSYMHWYQQKPGKAPKLLIYAASNLASGVPSRFS
GSGSGTDFTLTISSLQPEDFATYYCQQTIEDPPTFGGGTKVEIK
CDR3

Figure16M

Heavy chain of h55A1-F6

CDR1 CDR2

QVQLVQSGAEVKKPGASVKVSCKASGYTFTNYGMNWVRQAPGQGLEWMGWINTYSGVPTYAGDFKG
RFTFTLDTSTSTAYMELSSLRSEDTAVYYCARRGYYGRRYFDVWGKGTTVTVSS
CDR3

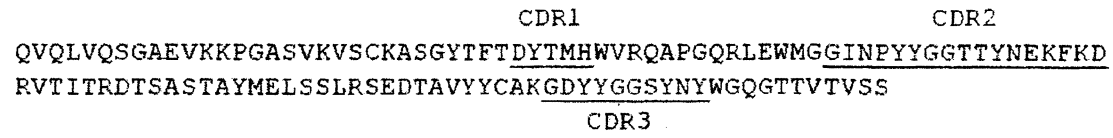
Light chain of h55A1-F6

CDR1 CDR2

EIVMTQSPATLSVSPGERATLSCKASQSVDYDVDSYMHWYQQKPGQAPRLLIYAASNLASGIPARFS
GSGSGTEFTLTISSLQSEDFAVYYCQQTIEDPPTFGGGTKVEIK
CDR3

Figure17A

Heavy chain of h53A11-S1



Light chain of h53A11-S1

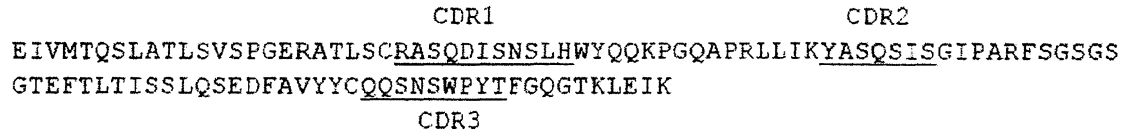
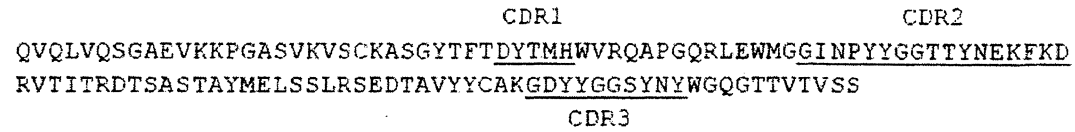


Figure17B

Heavy chain of h53A11-S2



Light chain of h53A11-S2

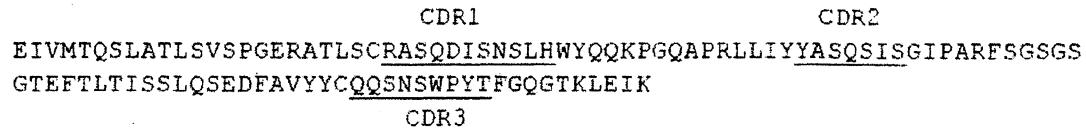
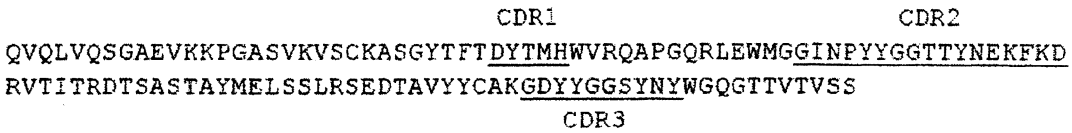


Figure17C

Heavy chain of h53A11-S3



Light chain of h53A11-S3

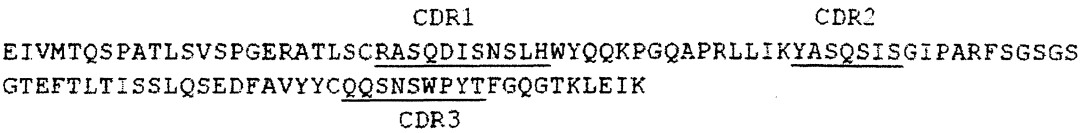


Figure17D

Heavy chain of h53A11-S4

```
                                    CDR1                                CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTDYTMHWVRQAPGQRLEWMGGINPYYGGTTYNEKFKD
RVTITRDTSASTAYMELSSLRSEDTAVYYCARGDYYGGSYNYWGQGTTVTVSS
                                        CDR3
```

Light chain of h53A11-S4

```
                              CDR1                          CDR2
EIVMTQSPATLSVSPGERATLSCRASQDISNSLHWYQQKPGQAPRLLIKYASQSISGIPARFSGSGS
GTEFTLTISSLQSEDFAVYYCQQSNSWPYTFGQGTKLEIK
                              CDR3
```

Figure18A

Heavy chain of h23H8-S1

```
                                    CDR1                                CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTDNTIHWVRQAPGQGLEWMGHINPYYGGTNNNEKFKD
RVTMTRDTSISTAYMELSRLRSDDTAVYYCARKGIYYSSPFDYWGQGTTVTVSS
                                        CDR3
```

Light chain of h23H8-S1

```
                              CDR1                          CDR2
DIQMTQSPSSLSASVGDRVTITCRASQDINNYLNWYQQKPGKAPKLLIYYTSKLHSGVPSRFSGSGS
GTDFTLTISSLQPEDFATYYCQQGNTLPFTFGQGTKLEIK
                              CDR3
```

Figure18B

Heavy chain of h23H8-S2

```
                                    CDR1                                CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTDNTIHWVRQAPGQGLEWMGHINPYYGGTNNNEKFKD
RVTMTRDTSISTAYMELSRLRSDDTAVYYCARKGIYYSSPFDYWGQGTTVTVSS
                                        CDR3
```

Light chain of h23H8-S2

```
                              CDR1                          CDR2
DIQMTQSPSSLSASVGDRVTITCRASQDINNYLNWYQQKPGKAPKLLISYTSKLHSGVPSRFSGSGS
GTDFTLTISSLQREDFATYYCQQGNTLPFTFGQGTKLEIK
                              CDR3
```

Figure18C

Heavy chain of h23H8-S3

```
                                    CDR1                                CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTDNTIHWVRQAPGQGLEWMGHINPYYGGTNNNEKFKD
RVTMTRDTSISTAYMELSRLRSDDTAVYYCARKGIYYSSPFDYWGQGTTVTVSS
                                        CDR3
```

Light chain of h23H8-S3

```
                              CDR1                          CDR2
DIQMTQSPSSLSASVGDRVTITCRASQDINNYLNWYQQKPGKAPKLLISYTSKLHSGVPSRFSGSGS
GTDFTLTISSLQPEDFATYYCQQGNTLPFTFGQGTKLEIK
                              CDR3
```

Figure19A

Heavy chain of h13B3-S1

```
                                    CDR1                        CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTEYTMHWVRQAPGQGLEWMGSINPYYGGTSYNEKFKD
RVTMTRDTSTSTVYMELSSLRSEDTAVYYCARYGNYVGYFDYWGQGTTVTVSS
                                        CDR3
```

Light chain of h13B3-S1

```
                                CDR1                    CDR2
EIVLTQSPGTLSLSPGERATLSCRASSSVHYMYWYQQKPGQAPRLLIYYTSNLAPGIPDRFSGSGSG
TDFTLTISRLEPEDFAVYYCQQFTSSPYTFGGGTKVEIK
                            CDR3
```

Figure19B

Heavy chain of h13B3-S2

```
                                    CDR1                        CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTEYTMHWVRQAPGQGLEWMGSINPYYGGTSYNEKFKD
RVTSTRDTSISTAYMELSRLRSDDTVVYYCARYGNYVGYFDYWGQGTTVTVSS
                                        CDR3
```

Light chain of h13B3-S2

```
                                CDR1                    CDR2
EIVLTQSPGTLSLSPGERATLSCRASSSVHYMYWYQQKPGQAPRLLIYYTSNLAPGIPDRFSGSGSG
TDFTLTISRLEPEDFAVYYCQQFTSSPYTFGGGTKVEIK
                            CDR3
```

Figure19C

Heavy chain of h13B3-S3

```
                                    CDR1                        CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTEYTMHWVRQAPGQGLEWMGSINPYYGGTSYNEKFKD
RVTMTRDTSTSTVYMELSSLRSEDTAVYYCARYGNYVGYFDYWGQGTTVTVSS
                                        CDR3
```

Light chain of h13B3-S3

```
                                CDR1                    CDR2
EIVLTQSPATLSLSPGERATLSCRASSSVHYMYWYQQKPGQAPRLLIYYTSNLAPGIPARFSGSGSG
TDFTLTISSLEPEDFAVYYCQQFTSSPYTFGGGTKVEIK
                            CDR3
```

Figure19D

Heavy chain of h13B3-S4

```
                                    CDR1                        CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTEYTMHWVRQAPGQGLEWMGSINPYYGGTSYNEKFKD
RVTSTRDTSISTAYMELSRLRSDDTVVYYCARYGNYVGYFDYWGQGTTVTVSS
                                    CDR3
```

Light chain of h13B3-S4

```
                                CDR1                        CDR2
EIVLTQSPATLSLSPGERATLSCRASSSVHYMYWYQQKPGQAPRLLIYYTSNLAPGIPARFSGSGSG
TDFTLTISSLEPEDFAVYYCQQFTSSPYTFGGGTKVEIK
                            CDR3
```

Figure20A

Heavy chain of h12B10-S1

```
                                    CDR1                        CDR2
EVQLVESGGGLVKPGGSLRLSCAASGFSLSTSGMGVGWVRQAPGKGLEWLAHIWWNDEKYYNPSLKS
RFTISRDDSKNTLYLQMNSLKTEDTAVYYCARDHLAYYFDVWGQGTLVTVSS
                                    CDR3
```

Light chain of h12B10-S1

```
                                CDR1                        CDR2
DIQMTQSPSSLSASVGDRVTITCKASQDINKYIAWYQQKPGKAPKLLMAYPFTLQPGVPSRFSGSGS
GTDFTLTISSLQPEDFATYYCLQYDNLLWTFGQGTKVEIK
                            CDR3
```

Figure20B

Heavy chain of h12B10-S2

```
                                    CDR1                        CDR2
EVQLVESGGGLVKPGGSLRLSCAASGFSLSTSGMGVGWVRQAPGKGLEWLAHIWWNDEKYYNPSLKS
RFTISRDDSKNTLYLQMNSLKTEDTAVYYCARDHLAFYFDLWGQGTLVTVSS
                                    CDR3
```

Light chain of h12B10-S2

```
                                CDR1                        CDR2
DIQMTQSPSSLSASVGDRVTITCKASQDINKYIAWYQQKPGKAPKLLMAYPFTLQPGVPSRFSGSGS
GTDFTLTISSLQPEDFATYYCLQYDNLLWTFGQGTKVEIK
                            CDR3
```

Figure20C

Heavy chain of h12B10-S3

CDR1 CDR2

EVQLVESGGGLVKPGGSLRLSCAASGFSLSTSGMGVGWVRQAPGKGLEWLAHIWWNDEKYYNPSLKS
RFTISRDDSKNTLYLQMNSLKTEDTAVYYCARDHLAFFFDLWGQGTLVTVSS

CDR3

Light chain of h12B10-S3

CDR1 CDR2

DIQMTQSPSSLSASVGDRVTITCKASQDINKYIAWYQQKPGKAPKLLMAYPFTLQPGVPSRFSGSGS
GTDFTLTISSLQPEDFATYYCLQYDNLLWTFGQGTKVEIK

CDR3

Figure20D

Heavy chain of h12B10-S4

CDR1 CDR2

EVQLVESGGGLVKPGGSLRLSCAASGFSLSSSGMGVGWVRQAPGKGLEWLAHIWWNDEKYYNPSLKS
RFTISRDDSKNTLYLQMNSLKTEDTAVYYCARDHLVFFFDLWGQGTLVTVSS

CDR3

Light chain of h12B10-S4

CDR1 CDR2

DIQMTQSPSSLSASVGDRVTITCKASQDINKYIAWYQQKPGKAPKLLMAYPFTLQPGVPSRFSGSGS
GTDFTLTISSLQPEDFATYYCLQYDNLLWTFGQGTKVEIK

CDR3

Figure21A

Heavy chain of h16F6-S1

CDR1 CDR2

QVQLVQSGAEVKKPGASVKVSCKASGYTFTTYWIAWVRQAPGQGLEWMGEILPGSAKTKYNKKFKG
RVTMTRDTSTSTVYMELSSLRSEDTAVYYCAVYDYGADYWGQGTTVTVSS

CDR3

Light chain of h16F6-S1

CDR1 CDR2

DIQMTQSPSSLSASVGDRVTITCKASQDVYTAVAWYQQKPGKSPKLLIYSASYRFTGVPSRFSGSGS
GTDFTLTISSLQPEDFATYYCQQHYSIPRTFGGGTKVEIK

CDR3

Figure21B

Heavy chain of h16F6-S2

```
                                    CDR1                              CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTTYWIAWVRQAPGQGLEWMGEILPGSAKTKYNKKFKG
RVTMTRDTSTSTVYMELSSLRSEDTAVYYCAVYDYGADYWGQGTTVTVSS
                                      CDR3
```

Light chain of h16F6-S2

```
                                CDR1                          CDR2
DIQMTQSPSSLSASVGDRVTITCKASQDVYTAVAWYQQKPGKSPKLLIYSASYRFTGVPSRFSGSGA
GTDFTLTISSLQPEDFATYYCQQHYSIPRTFGGGTKVEIK
                            CDR3
```

Figure21C

Heavy chain of h16F6-S3

```
                                    CDR1                              CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTTYWIAWVRQAPGQGLEWMGEILPGSAKTKYNKKFKG
RVTMTRDTSTSTVYMELSSLRSEDTAVYYCAVYDYGADYWGQGTTVTVSS
                                      CDR3
```

Light chain of h16F6-S3

```
                                CDR1                          CDR2
DIQMTQSPSSLSASVGDRVTITCKASQDVYTAVAWYQQKPGKSPKLLIYSASYRFTGVPSRFTGSGA
GTDFTLTISSLQPEDFATYYCQQHYSIPRTFGGGTKVEIK
                            CDR3
```

Figure21D

Heavy chain of h16F6-S4

```
                                    CDR1                              CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTTYWIAWVRQAPGQGLEWMGEILPGSAKTKYNKKFKG
RVTMTRDTSTSTVYMELSSLRSEDTAVYYCAVYDYGADYWGQGTTVTVSS
                                      CDR3
```

Light chain of h16F6-S4

```
                                CDR1                          CDR2
DIQMTQSPSSLSASVGDRVTITCKASQDVYTAVAWYQQKPGKSPKLLIYSASYRFTGVPSRFTGSGA
GTDFTFTISSLQPEDFATYYCQQHYSIPRTFGGGTKVEIK
                            CDR3
```

Figure21E

Heavy chain of h16F6-S5

```
                                  CDR1                                CDR2
QVQLVQSGAEVKKPGASVKVSCKASGYTFTTYWIAWVRQAPGQGLEWMGEILPGSAKTKYNKKFKG
RVTMTRDTSTSTVYMELSSLRSEDTAVYYCAVYDYGADYWGQGTTVTVSS
                                     CDR3
```

Light chain of h16F6-S5

```
                                CDR1                          CDR2
DIQMTQSPSSLSASVGDRVSITCKASQDVYTAVAWYQQKPGKSPKLLIYSASYRFTGVPSRFTGSGA
GTDFTFTISSLQPEDFATYYCQQHYSIPRTFGGGTKVEIK
                           CDR3
```