FIG. 1A

Heavy Chain IgG1 Constant Region

```
gcctccacca agggcccatc ggtcttcccc ctggcaccct cctccaagag cacctctggg      60
ggcacagcgg ccctgggctg cctggtcaag gactacttcc ccgaaccggt gacggtgtcg     120
tggaactcag gcgccctgac cagcggcgtg cacaccttcc cggctgtcct acagtcctca     180
ggactctact ccctcagcag cgtggtgacc gtgccctcca gcagcttggg cacccagacc     240
tacatctgca acgtgaatca caagcccagc aacaccaagg tggacaagaa agttgagccc     300
aaatcttgtg acaaaactca cacatgccca ccgtgcccag cacctgaact cctgggggga     360
ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggacccct     420
gaggtcacat gcgtggtggt ggacgtgagc cacgaagacc ctgaggtcaa gttcaactgg     480
tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga gcagtacaac     540
agcacgtacc gtgtggtcag cgtcctcacc gtcctgcacc aggactggct gaatggcaag     600
gagtacaagt gcaaggtctc caacaaagcc ctcccagccc ccatcgagaa aaccatctcc     660
aaagccaaag ggcagccccg agaaccacag gtgtacaccc tgccccatc ccgggatgag     720
ctgaccaaga accaggtcag cctgacctgc ctggtcaaag gcttctatcc cagcgacatc     780
gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg     840
ctggactccg acggctcctt cttcctctat agcaagctca ccgtggacaa gagcaggtgg     900
cagcagggga acgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacacg     960
cagaagagcc tctccctgtc tccgggtaaa                                      990
```

FIG. 1B

```
ASTKGPSVFP LAPSSKSTSG GTAALGCLVK DYFPEPVTVS WNSGALTSGV HTFPAVLQSS      60
GLYSLSSVVT VPSSSLGTQT YICNVNHKPS NTKVDKKVEP KSCDKTHTCP PCPAPELLGG     120
PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN     180
STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE     240
LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW     300
QQGNVFSCSV MHEALHNHYT QKSLSLSPGK                                      330
```

FIG. 2A

Kappa Chain Constant Region

```
cgaactgtgg ctgcaccatc tgtcttcatc ttcccgccat ctgatgagca gttgaaatct     60
ggaactgcct ctgttgtgtg cctgctgaat aacttctatc ccagagaggc caaagtacag    120
tggaaggtgg ataacgccct ccaatcgggt aactcccagg agagtgtcac agagcaggac    180
agcaaggaca gcacctacag cctcagcagc accctgacgc tgagcaaagc agactacgag    240
aaacacaaag tctacgcctg cgaagtcacc catcagggcc tgagctcgcc cgtcacaaag    300
agcttcaaca ggggagagtg t                                              321
```

FIG. 2B

```
RTVAAPSVFI FPPSDEQLKS GTASVVCLLN NFYPREAKVQ WKVDNALQSG NSQESVTEQD     60
SKDSTYSLSS TLTLSKADYE KHKVYACEVT HQGLSSPVTK SFNRGEC                  107
```

FIG. 3A

1119 Heavy Chain Variable Region

```
gaggtgcagc tggtacagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc      60
tcctgtaagg gttctggata caactttacc agctactgga tcggctgggt gcgccagatg     120
cccgggaaag gcctggagtt gatggggatc atctatcctg gtgactctga taccagatac     180
agcccgtcct tccaaggcca ggtcaccatc tcagccgaca agtccatcag caccgcctac     240
ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgg ttcggggagc     300
tacttttact tcgatctctg gggccgtggc accctggtca ccgtctctag t              351
```

FIG. 3B

```
EVQLVQSGAE VKKPGESLKI SCKGSGYNFT SYWIGWVRQM PGKGLELMGI IYPGDSDTRY      60
SPSFQGQVTI SADKSISTAY LQWSSLKASD TAMYYCGSGS YFYFDLWGRG TLVTVSS         117
```

FIG. 4A

1119 Kappa Chain Variable Region

```
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc     60
ctctcctgca gggccagtca gagtgttagc agcagctact tagcctggta ccagcagaaa    120
cctggccagg ctcccaggct cctcatatat ggtgcatcca gcagggccac tggcatccca    180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag    240
cctgaagatt ttgcagtgta ttactgtcag cggtctggtg gctcatcatt cactttcggc    300
cctgggacca aagtggatat caaa                                           324
```

FIG. 4B

```
EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK PGQAPRLLIY GASSRATGIP     60
DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ RSGGSSFTFG PGTKVDIK                 108
```

FIG. 5A

1118 Heavy Chain Variable Region

```
gaggtgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc     60
tcctgtaagg gttctggata cagctttacc agctactgga tcggctgggt gcgccagatg    120
cccgggaaag gcctggagtg gatggggatc atctatcctg gtgactctga taccagatac    180
agcccgtcct tccaaggcca ggtcaccatc tcagccgaca agtccatcag caccgcctac    240
ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgg ttcggggagc    300
tactggtact tcgatctctg gggccgtggc accctggtca ccgtctctag t             351
```

FIG. 5B

```
EVQLVQSGAE VKKPGESLKI SCKGSGYSFT SYWIGWVRQM PGKGLEWMGI IYPGDSDTRY     60
SPSFQGQVTI SADKSISTAY LQWSSLKASD TAMYYCGSGS YWYFDLWGRG TLVTVSS       117
```

FIG. 5C

1118* Heavy Chain Variable Region

```
EVQLVQSGAE VKKPGESLKI SCKGSGYSFT SYWIGWVRQM PGKGLEWMGI IYPGDSDTRY     60
SPSFQGQVTI SADKSISTAY LQWSSLKASD TAMYYCGSGS YWYFDLRGRG TLVTVSS       117
```

FIG. 5D

1118* Heavy Chain Variable Region

```
gaggtgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc     60
tcctgtaagg gttctggata cagctttacc agctactgga tcggctgggt gcgccagatg    120
cccgggaaag gcctggagtg gatggggatc atctatcctg gtgactctga taccagatac    180
agcccgtcct tccaaggcca ggtcaccatc tcagccgaca agtccatcag caccgcctac    240
ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgg ttcggggagc    300
tactggtact tcgatctccg gggccgtggc accctggtca ccgtctctag t             351
```

FIG. 6A

1118 Kappa Chain Variable Region

```
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc      60
ctctcctgca gggccagtca gagtgttagc agcagctcct tagcctggta ccagcagaaa     120
cctggccagg ctcccaggct cctcatatat ggtgcatcca gcagggccac tggcatccca     180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag     240
cctgaagatt ttgcagtgta ttactgtcag cggtctggtg gctcatcatt cactttcggc     300
cctgggacca aagtggatat caaa                                            324
```

FIG. 6B

```
EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSSLAWYQQK PGQAPRLLIY GASSRATGIP      60
DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ RSGGSSFTFG PGTKVDIK                  108
```

FIG. 7A

1121 Heavy Chain Variable Region

```
gaggtgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc     60
tcctgtaagg gttctggata caactttacc agctactgga tcggctgggt gcgccagatg    120
cccgggaaag gcctggagtt gatggggatc atctatcctg gtgactctga taccagatac    180
agcccgtcct tccaaggcca ggtcaccatc tcagccgaca agtccatcag caccgcctac    240
ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgg ttcggggagc    300
tactggtact tcgatctctg gggccgtggc accctggtca ccgtctctag t             351
```

FIG. 7B

```
EVQLVQSGAE VKKPGESLKI SCKGSGYNFT SYWIGWVRQM PGKGLELMGI IYPGDSDTRY     60
SPSFQGQVTI SADKSISTAY LQWSSLKASD TAMYYCGSGS YWYFDLWGRG TLVTVSS       117
```

FIG. 8A

1121 Kappa Chain Variable Region

```
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc     60
ctctcctgca gggccagtca gagtgttagc agcagctact tagcctggta ccagcagaaa    120
cctggccagg ctcccaggct cctcatatat ggtgcatcca gcagggccac tggcatccca    180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag    240
cctgaagatt ttgcagtgta ttactgtcag cggtctggtg gctcatcatt cactttcggc    300
cctgggacca aagtggatat caaa                                           324
```

FIG. 8B

```
EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK PGQAPRLLIY GASSRATGIP     60
DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ RSGGSSFTFG PGTKVDIK                 108
```

FIG. 8C

1121* Kappa Chain Variable Region

```
EIVLTQSPGT LSLSPGERAT LSCRASQSII SSYLAWYQQK PGQTPRLLIY GVSSRATGIP     60
DRFSGSGSGT DFTLTITRLE PEDFAVYYCQ QYGNSPMYTF GQGTKLEIK                109
```

FIG. 8D

1121* Kappa Chain Variable Region

```
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc     60
ctctcctgca gggccagtca gagtattatc agcagctact tagcctggta ccagcagaaa    120
cctggccaga ctcccaggct cctcatctat ggtgtatcca gcagggccac tggcatccca    180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcac cagactggag    240
cctgaagatt ttgcagtgta ttactgtcag cagtatggta actcatttat gtacactttt    300
ggccagggga ccaagctgga gatcaaa                                        327
```

Fig. 9

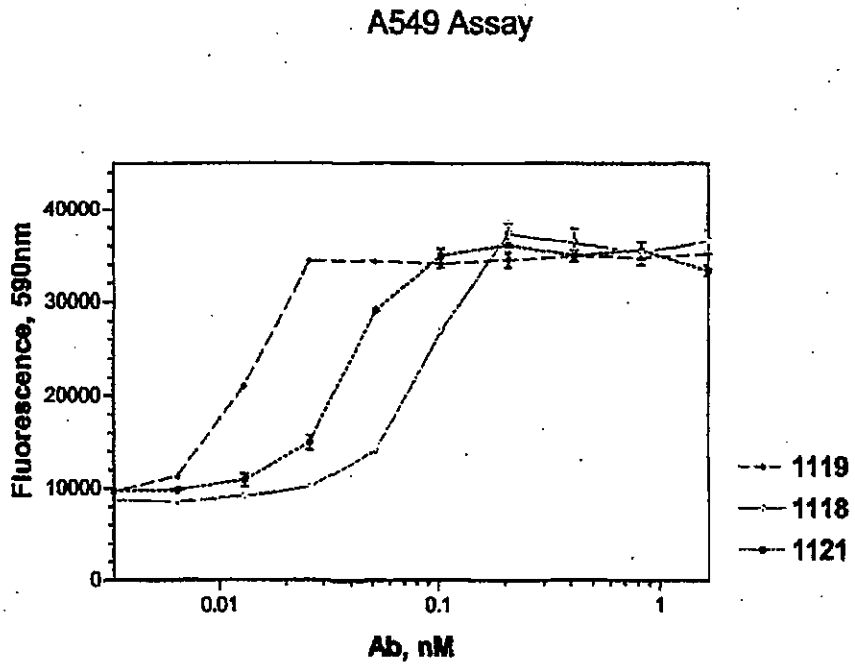

A549 Assay
Fluorescence, 590nm
40000
30000
20000
10000
0
0.01
0.1
1
Ab, nM
1119
1118
1121

Fig. 10

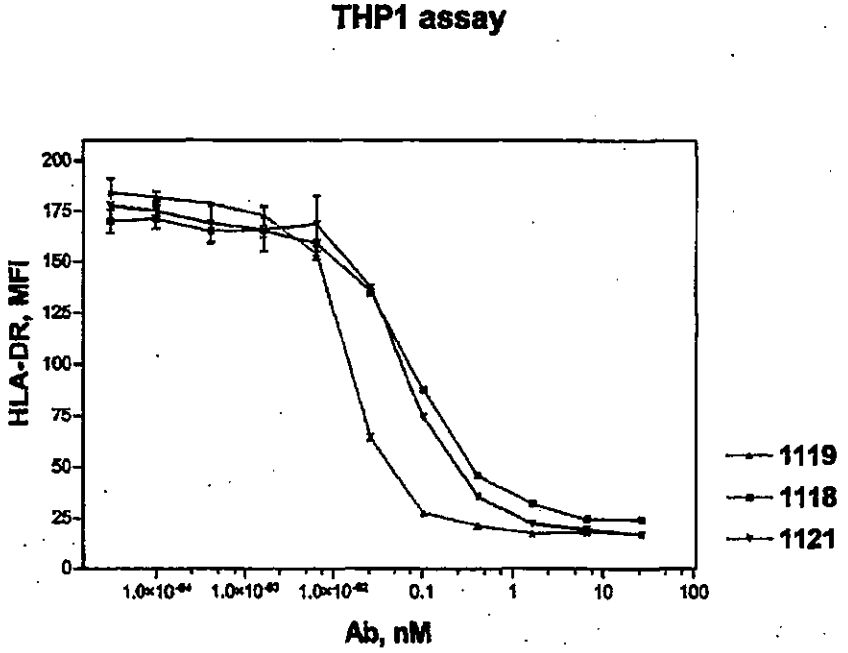
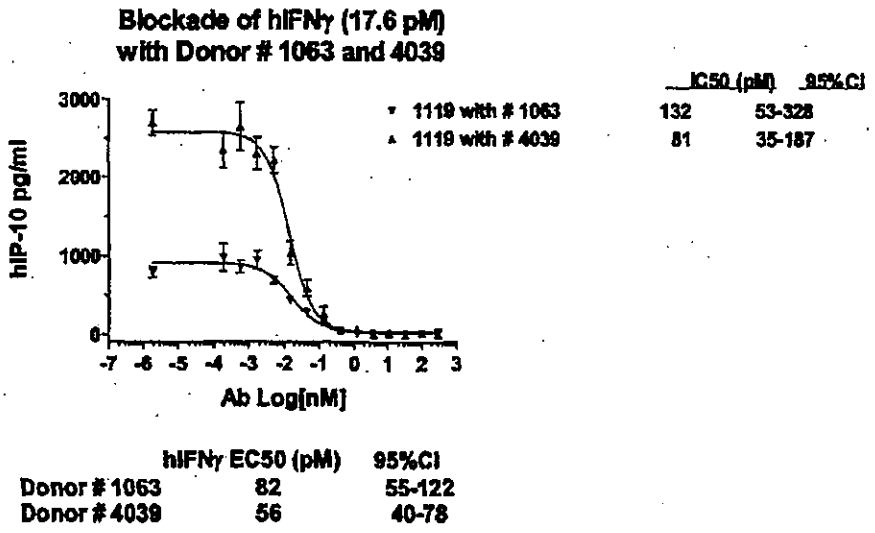

THP1 assay
HLA-DR, MFI
200
175
150
125
100
75
50
25
0
1.0×10⁻⁴⁴
1.0×10⁻⁴³
1.0×10⁻⁴²
0.1
1
10
100
Ab, nM
1119
1118
1121

Fig. 11



	hIFNγ EC50 (pM)	95%CI
Donor # 1063	82	55-122
Donor # 4039	56	40-78

FIG. 12

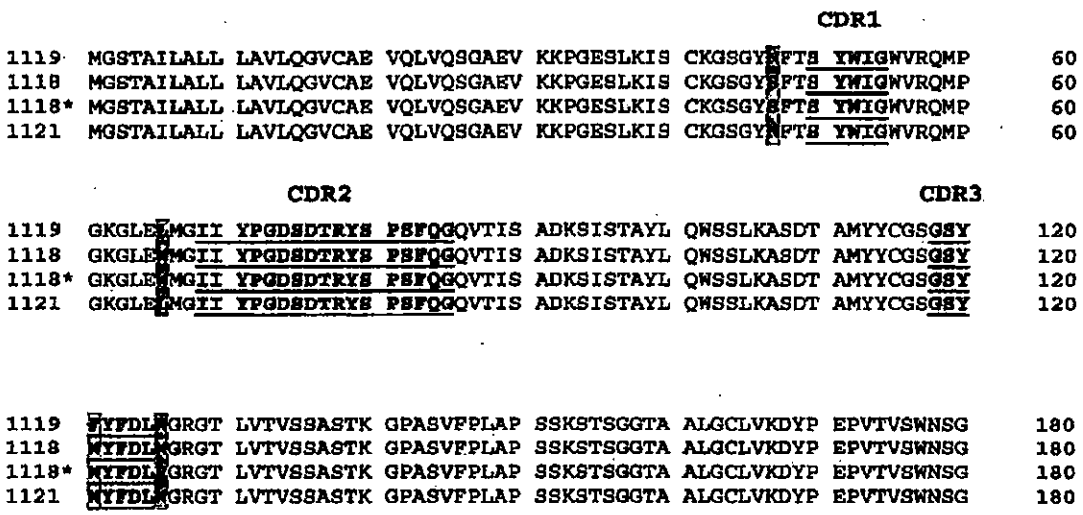

CDR1
1119 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1118 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1118* MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1121 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYNFTS YWIGWVRQMP 60
CDR2
CDR3
1119 GKGLEWMGII YPGDSDTRYS PSFQGQVTIS ADKSISTAYL QWSSLKASDT AMYYCGSGSY 120
1118 GKGLEWMGII YPGDSDTRYS PSFQGQVTIS ADKSISTAYL QWSSLKASDT AMYYCGSGSY 120
1118* GKGLEWMGII YPGDSDTRYS PSFQGQVTIS ADKSISTAYL QWSSLKASDT AMYYCGSGSY 120
1121 GKGLEQMGII YPGDSDTRYS PSFQGQVTIS ADKSISTAYL QWSSLKASDT AMYYCGSGSY 120
1119 WYFDLWGRGT LVTVSSASTK GPASVFPLAP SSKSTSGGTA ALGCLVKDYP EPVTVSWNSG 180
1118 WYFDLWGRGT LVTVSSASTK GPASVFPLAP SSKSTSGGTA ALGCLVKDYP EPVTVSWNSG 180
1118* WYFDLWGRGT LVTVSSASTK GPASVFPLAP SSKSTSGGTA ALGCLVKDYP EPVTVSWNSG 180
1121 WYFDLWGRGT LVTVSSASTK GPASVFPLAP SSKSTSGGTA ALGCLVKDYP EPVTVSWNSG 180

FIG. 13

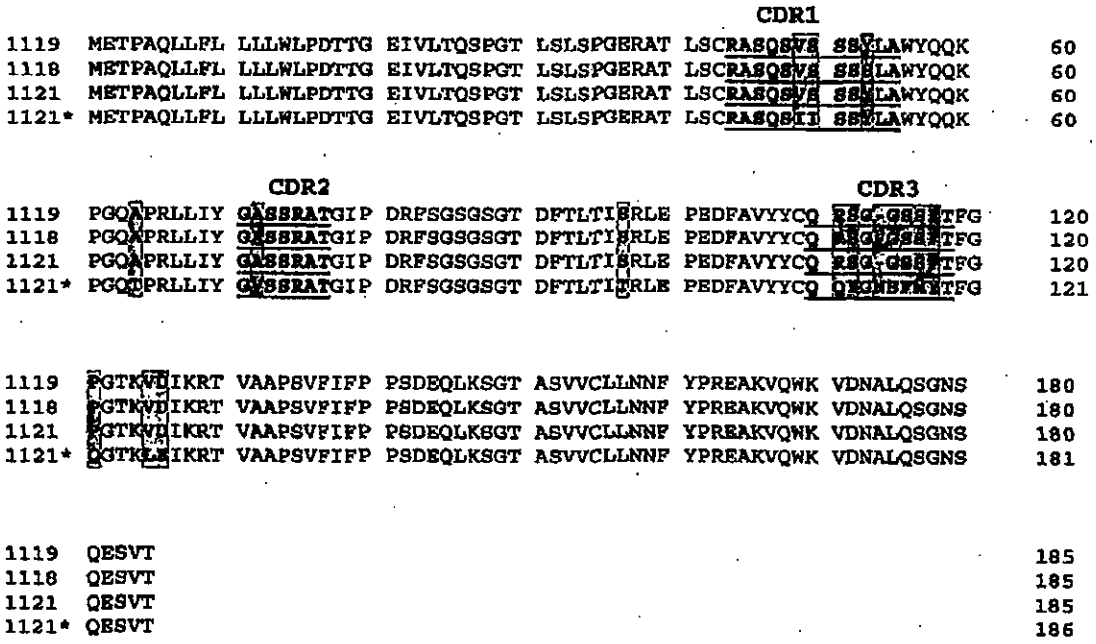

CDR1
CDR2
CDR3
1119 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1118 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSSLAWYQQK 60
1121 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1121* METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSIS SSYLAWYQQK 60
1119 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QSGSSPYTFG 120
1118 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QSGSSPYTFG 120
1121 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QSGSSPYTFG 120
1121* PGQTPRLLIY GASSRATGIP DRFSGSGSGT DFTLTITRLE PEDFAVYYCQ QYGNSPYTFG 121
1119 QGTKVDIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 180
1118 QGTKVDIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 180
1121 QGTKVDIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 180
1121* QGTKLEIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 181
1119 QESVT 185
1118 QESVT 185
1121 QESVT 185
1121* QESVT 186

Figure 14

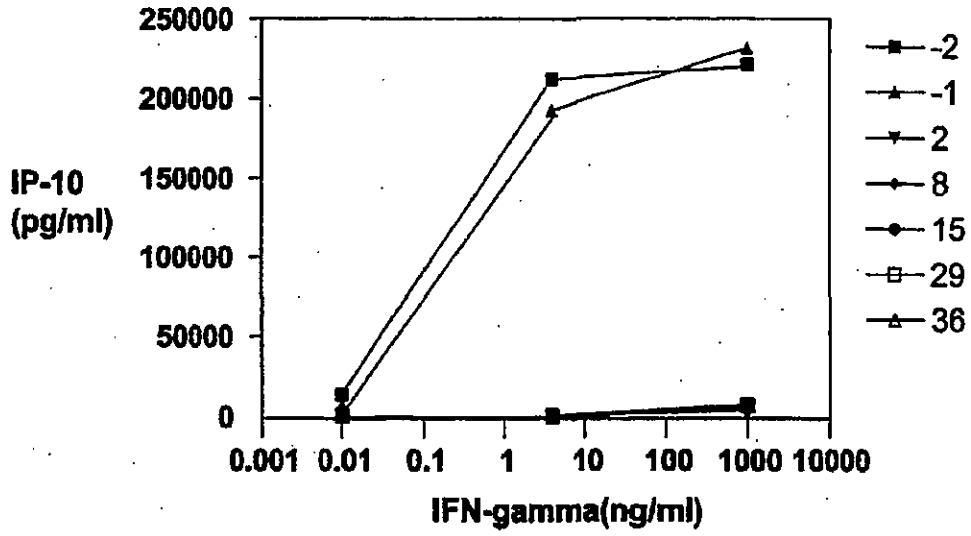
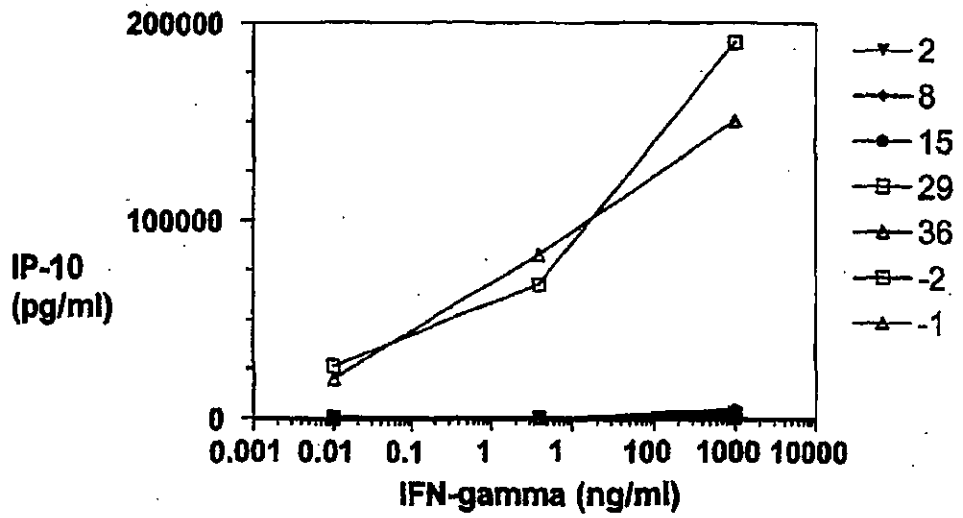

250000
200000
150000
100000
50000
0
IP-10
(pg/ml)
0.001
0.01
0.1
1
10
100
1000
10000
IFN-gamma(ng/ml)
-2
-1
2
8
15
29
36

Figure 15


200000
100000
0
IP-10
(pg/ml)
0.001
0.01
0.1
1
1
100
1000
10000
IFN-gamma (ng/ml)
2
8
15
29
36
-2
-1