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 tcgggtgggt gcgccagatg     120
cccgggaaag gcctggagtt gatggggatc atctatcctg gtgactctga taccagatac     180
agcccgtcct tccaaggcca ggtcaccatc tcagccgaca agtccatcag caccgcctac     240
ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgg ttcggggagc     300
actttttact 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 ggtcatcatt cactttcggc     300
cctgggacca aagtggatat caaa                                            324
```

FIG. 6B

```
EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSSLAWYQQK PGQAPRLLIY GASSRATGIP      60
DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ KSGGSSFTFG 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 QYGNSFMYTF 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
ggccaggggа ccaagctgga gatcaaa                                         327
```

Fig. 9

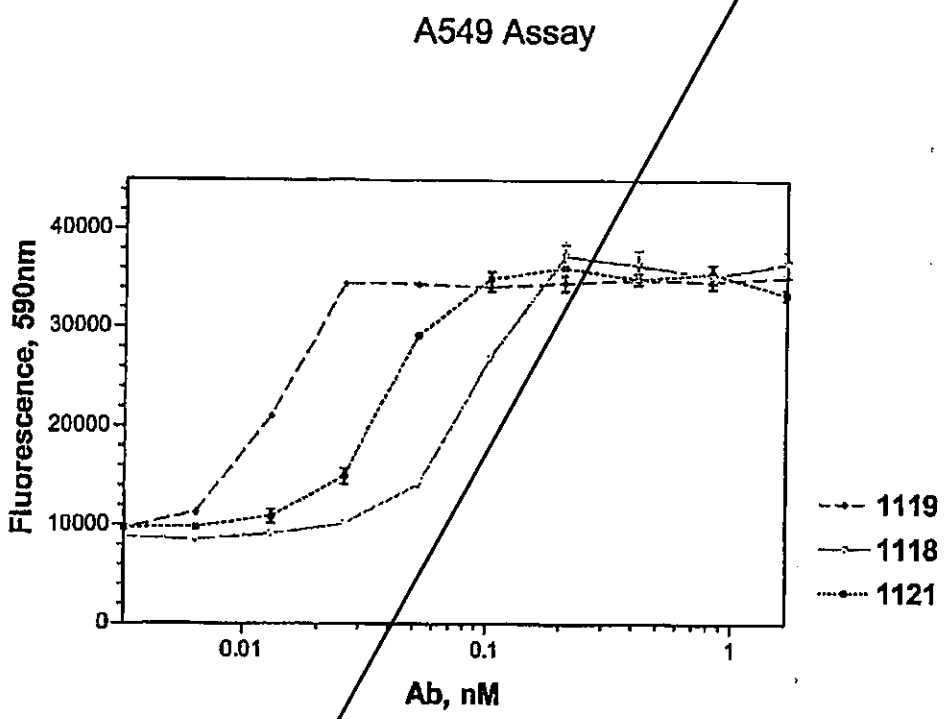

A549 Assay
Fluorescence, 590nm
40000
30000
20000
10000
0
0.01
0.1
1
Ab, nM
1119
1118
1121

Fig. 10

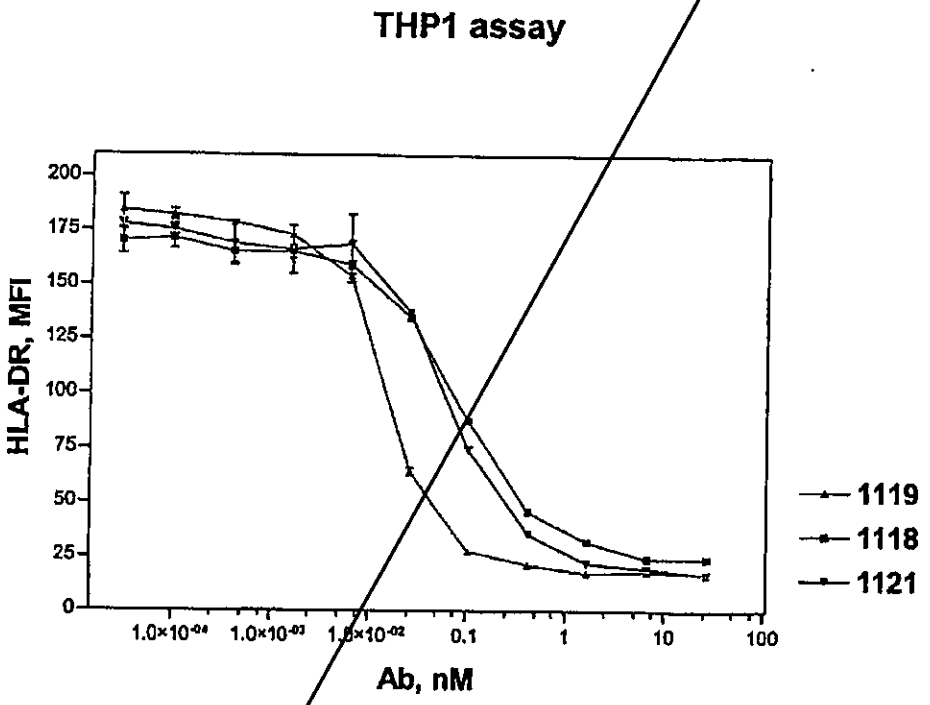

THP1 assay
HLA-DR, MFI
200
175
150
125
100
75
50
25
0
1.0×10⁻⁰⁴
1.0×10⁻⁰³
1.0×10⁻⁰²
0.1
1
10
100
Ab, nM
1119
1118
1121

Fig. 11

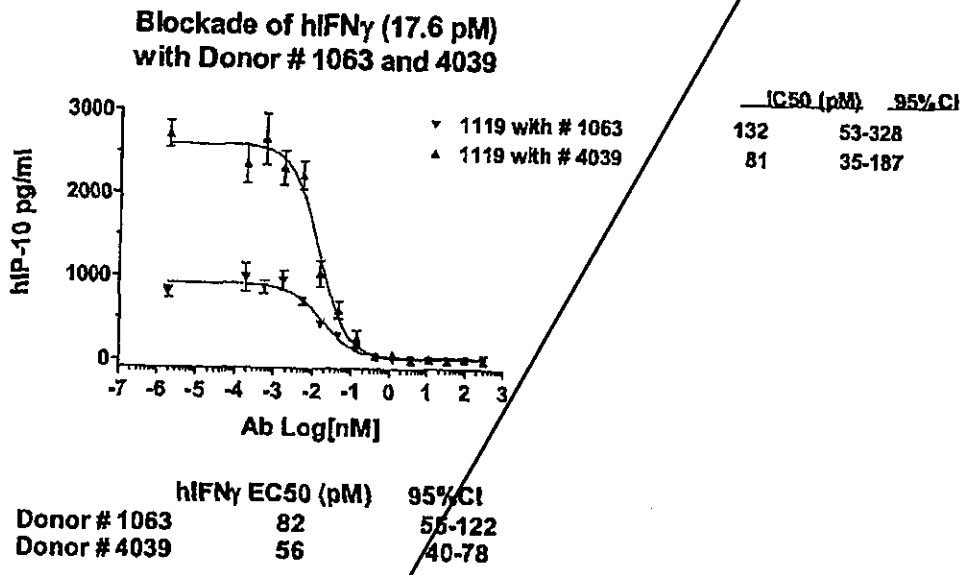

Blockade of hIFNγ (17.6 pM)
with Donor # 1063 and 4039
hIP-10 pg/ml
3000
2000
1000
0
-7 -6 -5 -4 -3 -2 -1 0 1 2 3
Ab Log[nM]
1119 with # 1063
1119 with # 4039
IC50 (pM) 95% CI
132 53-328
81 35-187
hIFNγ EC50 (pM) 95%CI
Donor # 1063 82 55-122
Donor # 4039 56 40-78

FIG. 12

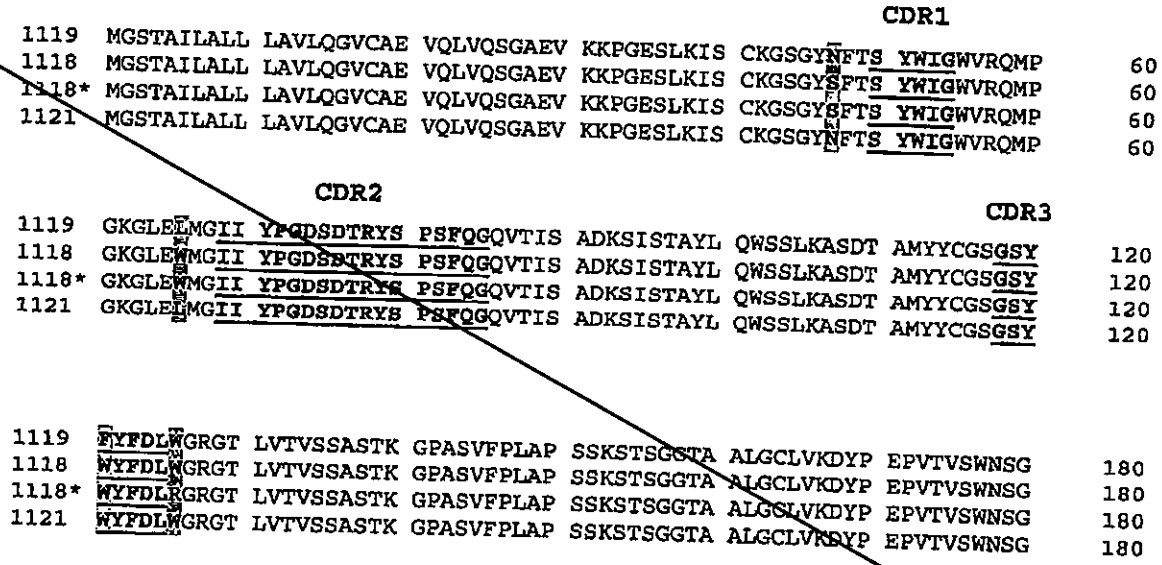

CDR1
1119 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYNFTS YWIGWVRQMP 60
1118 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1118* MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1121 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYNFTS YWIGWVRQMP 60
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 GKGLEWMGII YPGDSDTRYS PSFQGQVTIS ADKSISTAYL QWSSLKASDT AMYYCGSGSY 120
1119 FYFDLWGRGT 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

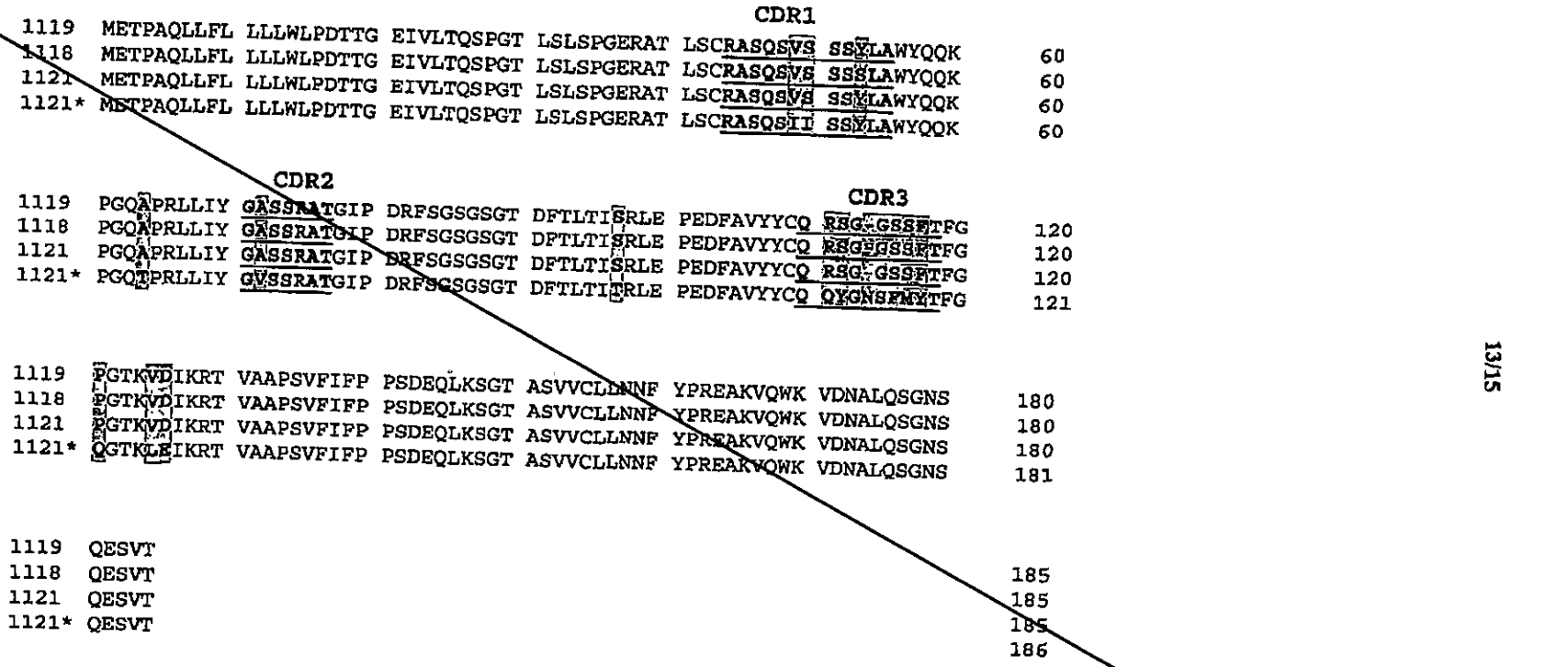

CDR1
CDR2
CDR3
1119 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1118 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1121 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1121* METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSIS SSYLAWYQQK 60
1119 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ RSGSSFTFG 120
1118 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ RSGSSFTFG 120
1121 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ RSGSSFTFG 120
1121* PGQTPRLLIY GVSSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QYGNSFMYTFG 121
1119 PGTKVDIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 180
1118 PGTKVDIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 180
1121 PGTKVDIKRT 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

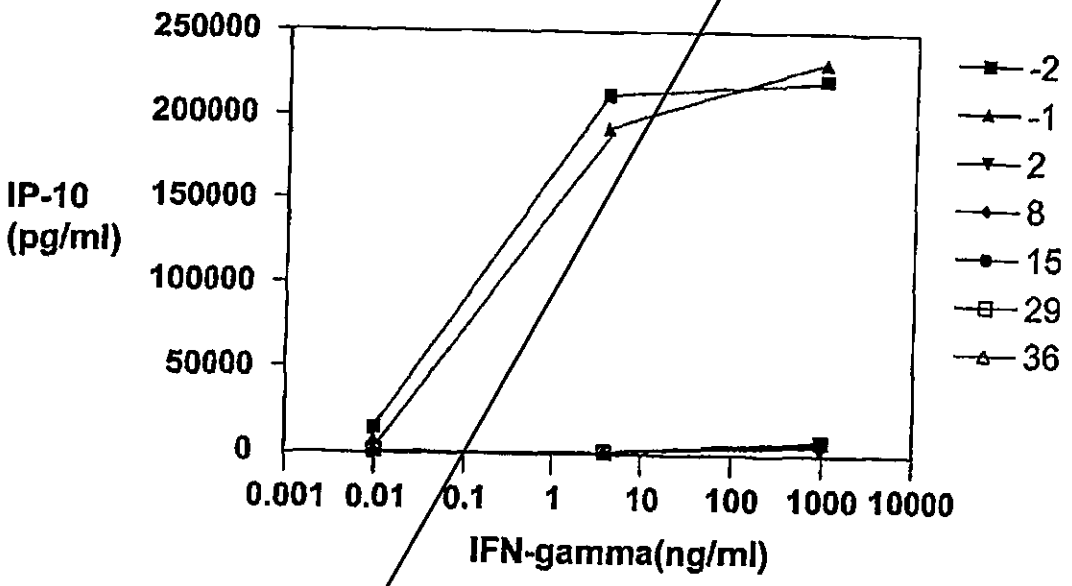

250000
200000
150000
100000
50000
0
IP-10
(pg/ml)
0.001
0.01
0.1
1
10
100
1000
10000
IFN-gamma(ng/ml)
-2
-1
2
8
15
29
36

Figure 15

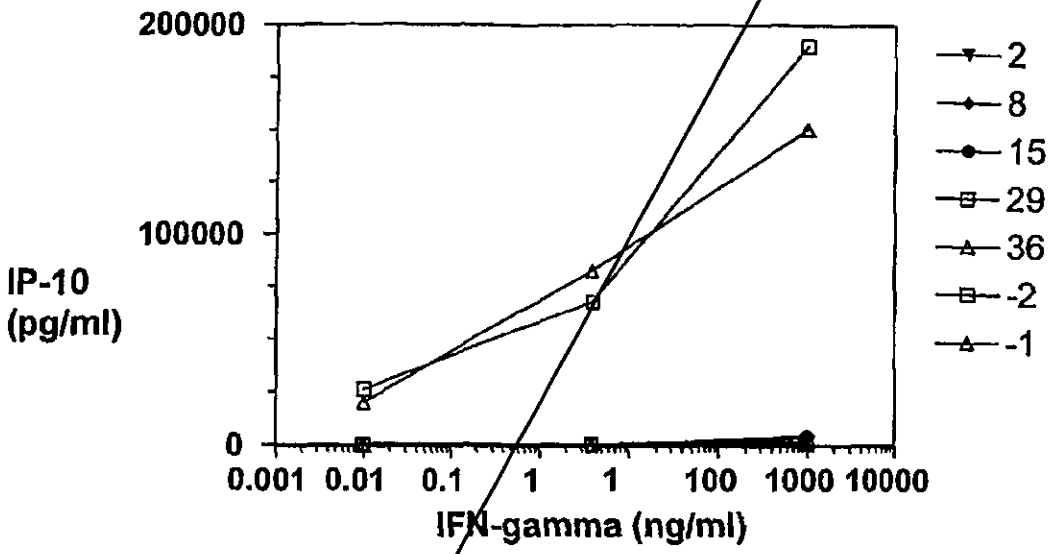

200000
100000
0
IP-10
(pg/ml)
0.001
0.01
0.1
1
1
100
1000
10000
IFN-gamma (ng/ml)
2
8
15
29
36
-2
-1

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 cctggagtt gatggggatc atctatcctg gtgactctga taccagatac    180
agcccgtcct tccaaggcca ggtcaccatc tcagccgaca agtccatcag caccgcctac    240
ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgg ttcggggagc    300
actttttact tcgatctctg gggccgtggc accctggtca ccgtctctag t             351
```

FIG. 3B

```
EVQLVQSGAE VKKPGESLKI SCKGSGYNFT SYWIGWVRQM PGKGLEIMGI 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 RSGGSSPTFG 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

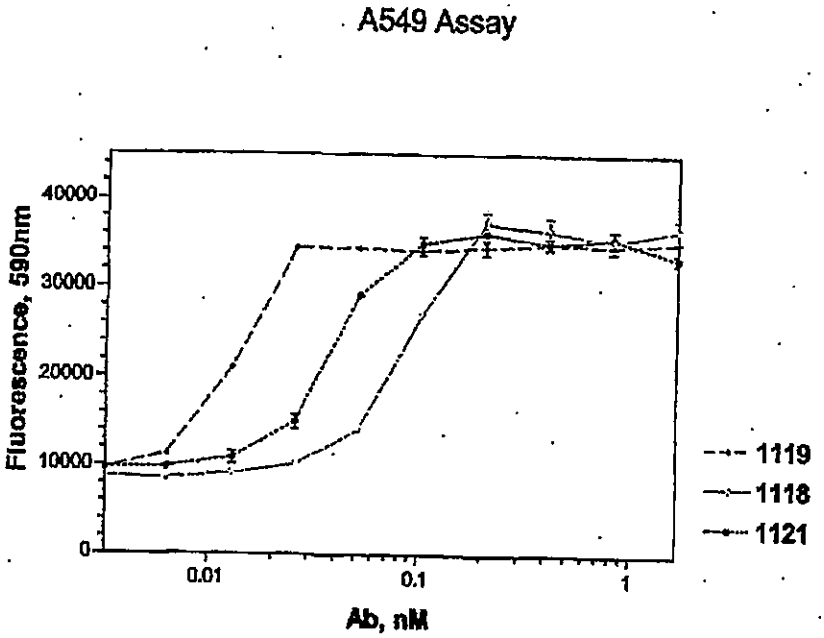

A549 Assay
Fluorescence, 590nm
40000
30000
20000
10000
0
0.01
0.1
1
Ab, nM
1119
1118
1121

Fig. 10

THP1 assay

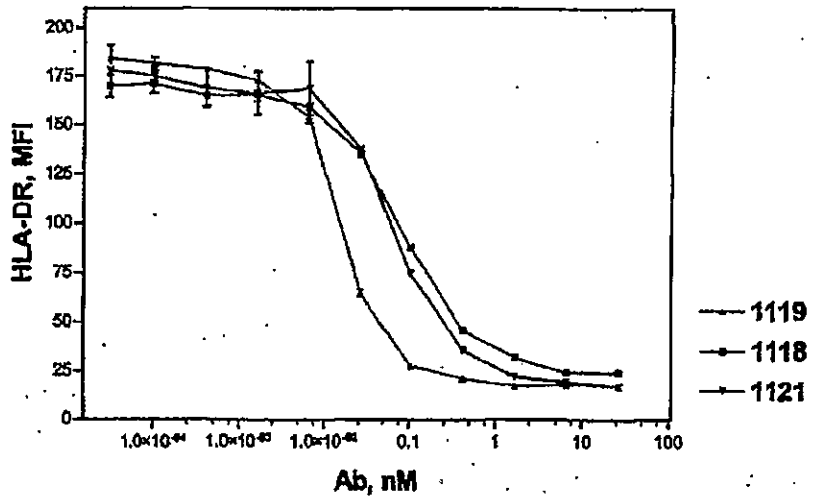
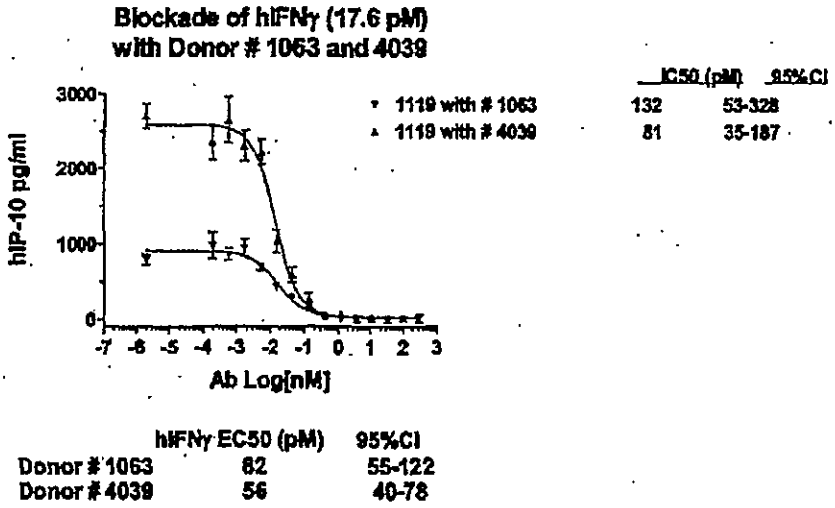


Fig. 11



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

FIG. 12

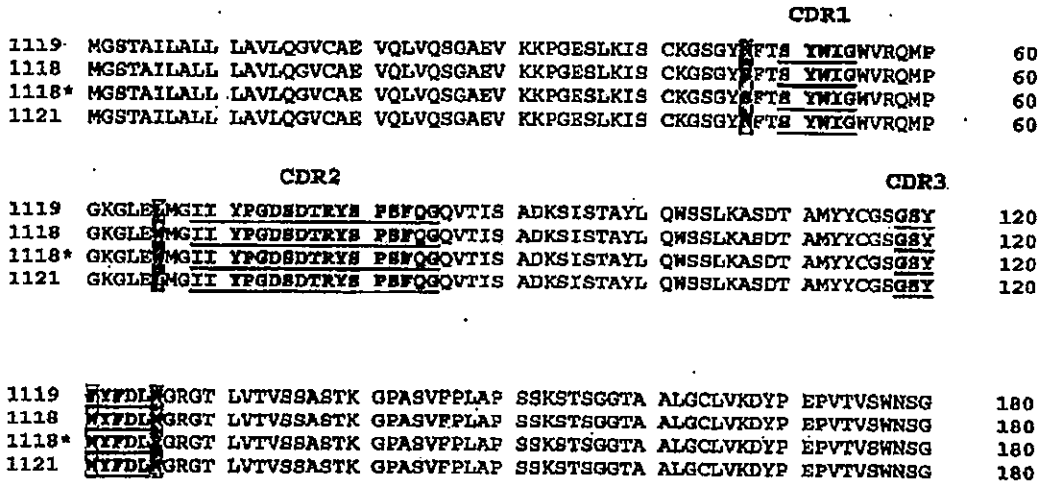

CDR1
CDR2
CDR3
1119 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1118 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1118* MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP 60
1121 MGSTAILALL LAVLQGVCAE VQLVQSGAEV KKPGESLKIS CKGSGYSFTS YWIGWVRQMP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

FIG. 13

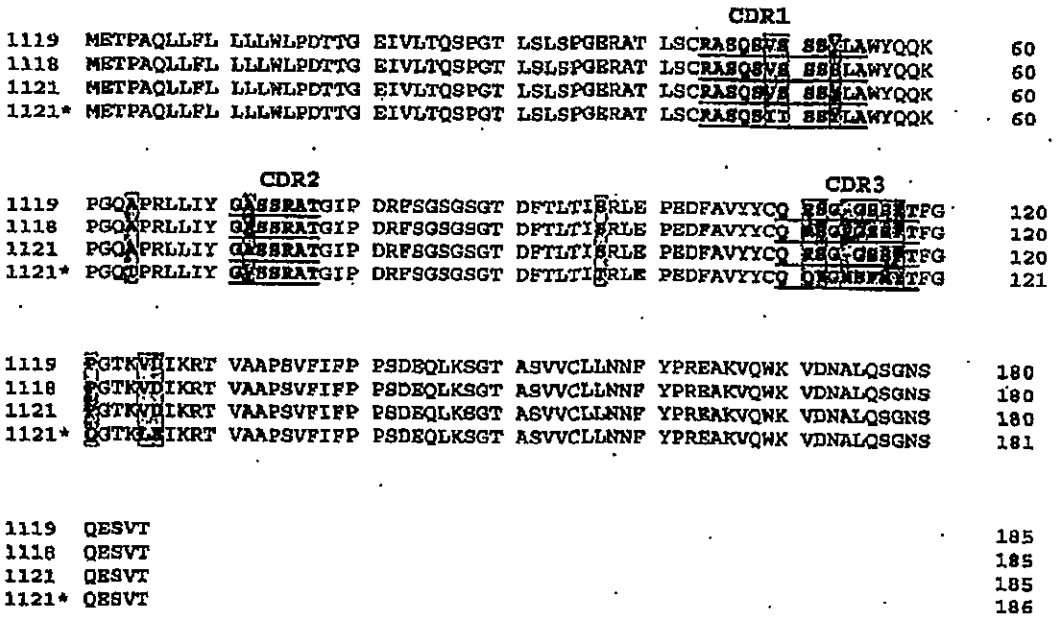

CDR1
CDR2
CDR3
1119 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1118 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1121 METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSVS SSYLAWYQQK 60
1121* METPAQLLFL LLLWLPDTTG EIVLTQSPGT LSLSPGERAT LSCRASQSIT SSYLAWYQQK 60
1119 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QSGSSGSITFG 120
1118 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QSGSSGSITFG 120
1121 PGQAPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QSGSSGSITFG 120
1121* PGQTPRLLIY GASSRATGIP DRFSGSGSGT DFTLTISRLE PEDFAVYYCQ QYGSSPWTFG 121
1119 QGTKVEIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 180
1118 QGTKVDIKRT VAAPSVFIFP PSDEQLKSGT ASVVCLLNNF YPREAKVQWK VDNALQSGNS 180
1121 QGTKVEIKRT 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

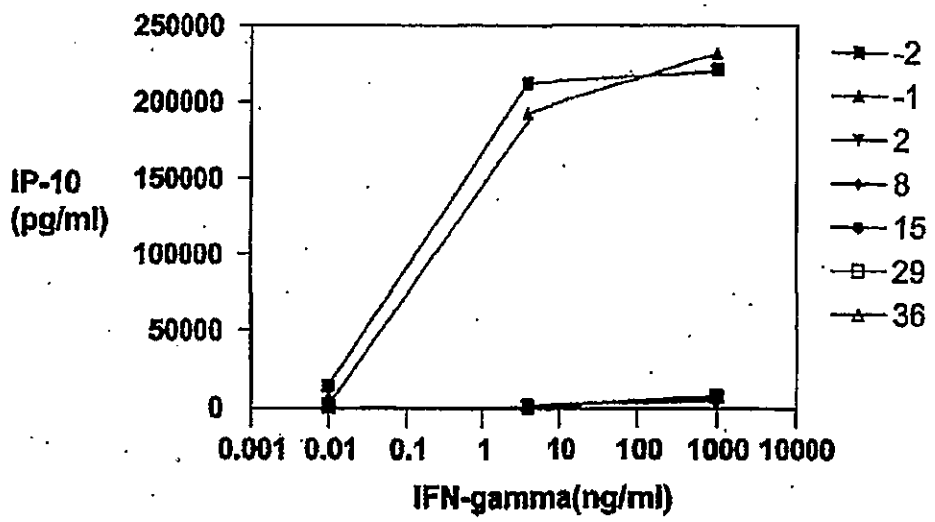
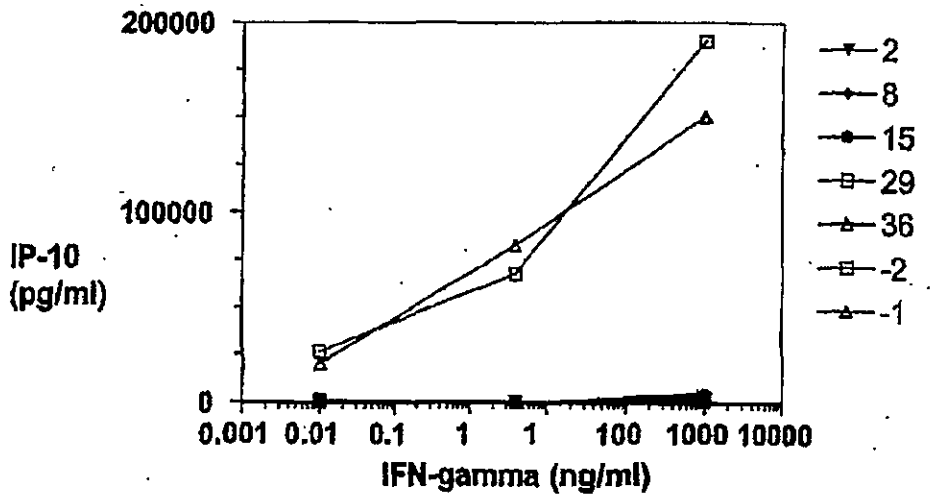

250000
200000
150000
100000
50000
0
IP-10
(pg/ml)
0.001
0.01
0.1
1
10
100
1000
10000
IFN-gamma(ng/ml)
-2
-1
2
8
15
29
36

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