Fig. 1A

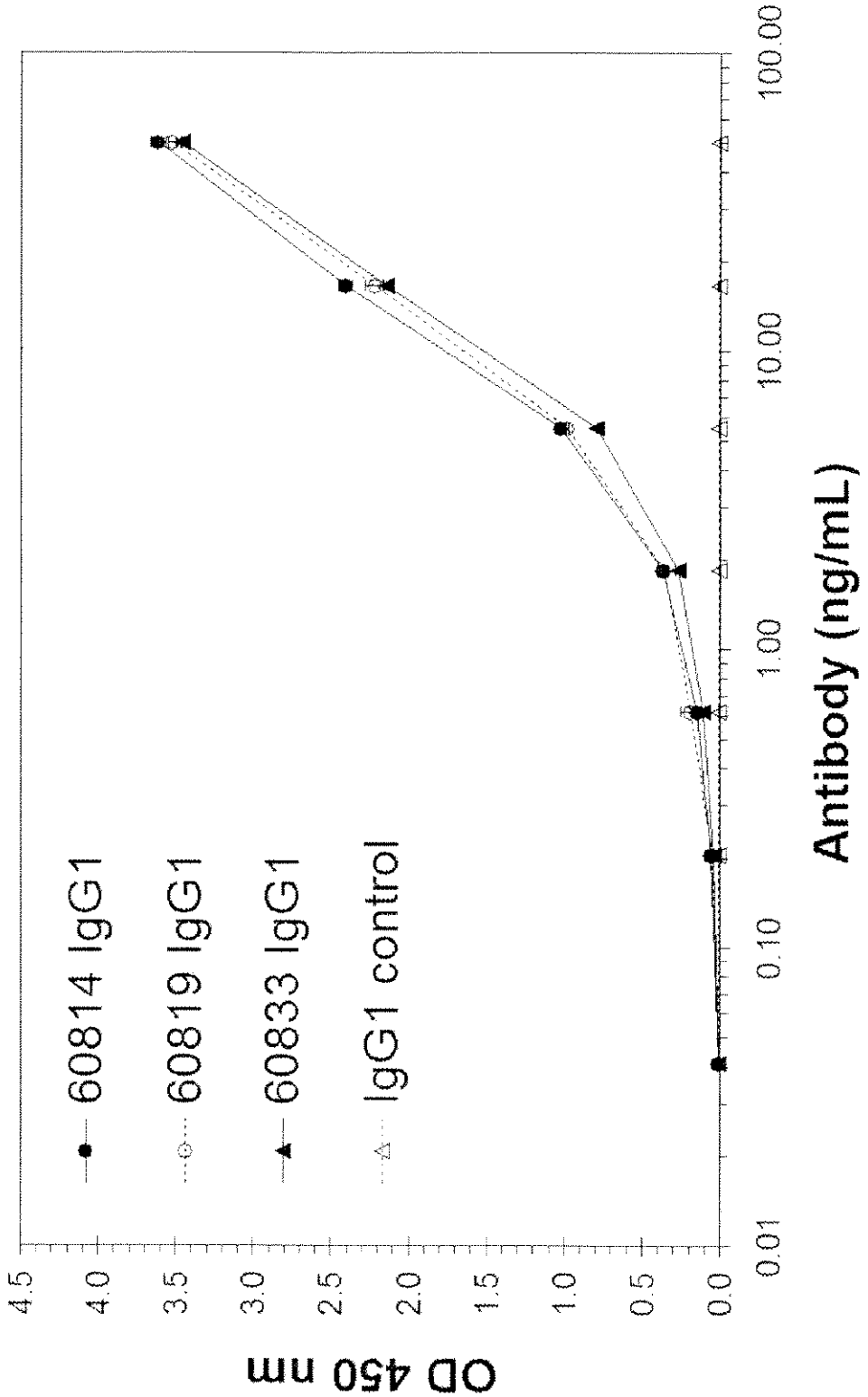

OD 450 nm
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.01
0.10
1.00
10.00
100.00
Antibody (ng/mL)
60814 IgG1
60819 IgG1
60833 IgG1
IgG1 control

Fig. 1B

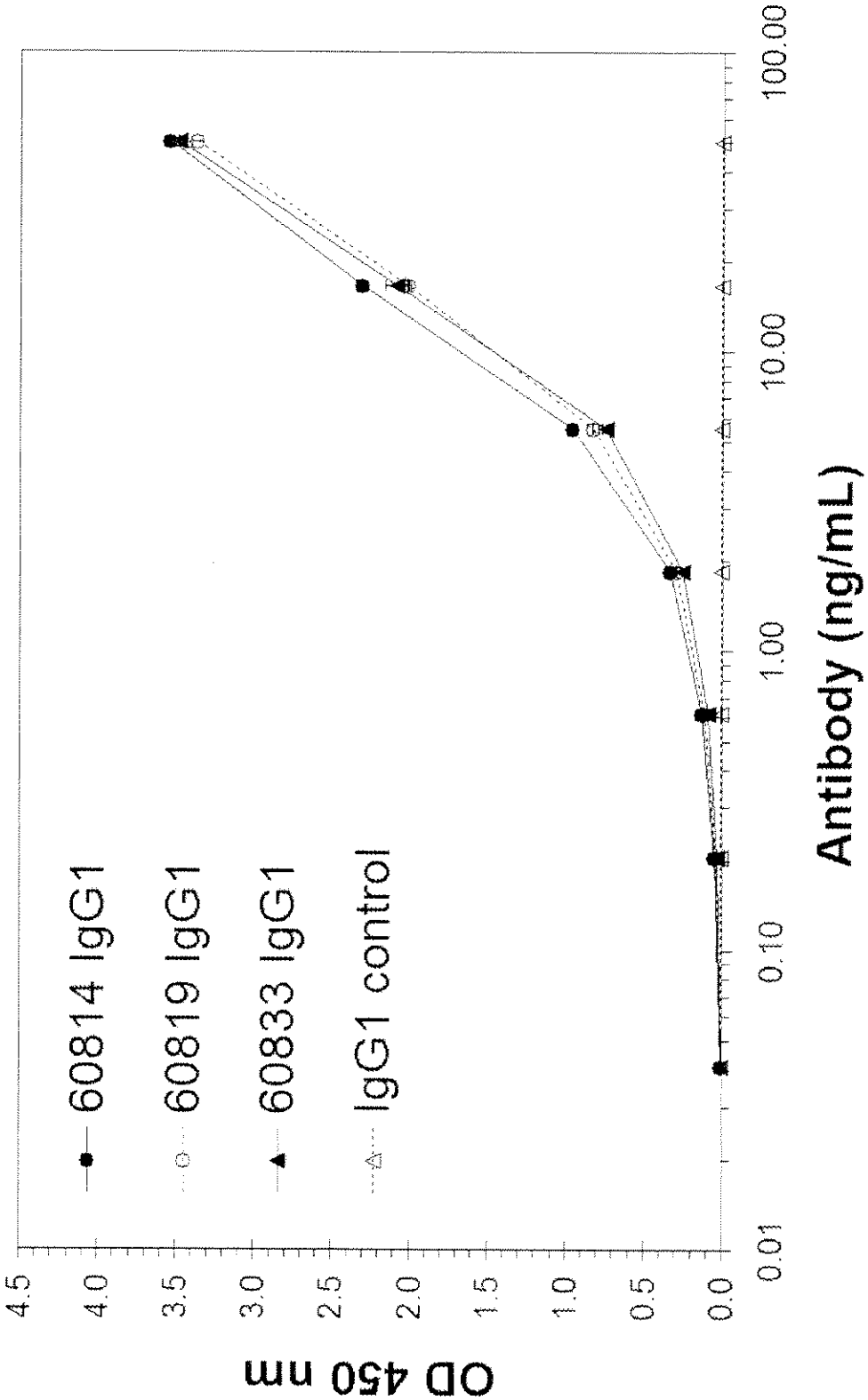

60814 IgG1
60819 IgG1
60833 IgG1
IgG1 control
OD 450 nm
Antibody (ng/mL)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
0.01
0.10
1.00
10.00
100.00

Fig. 1C

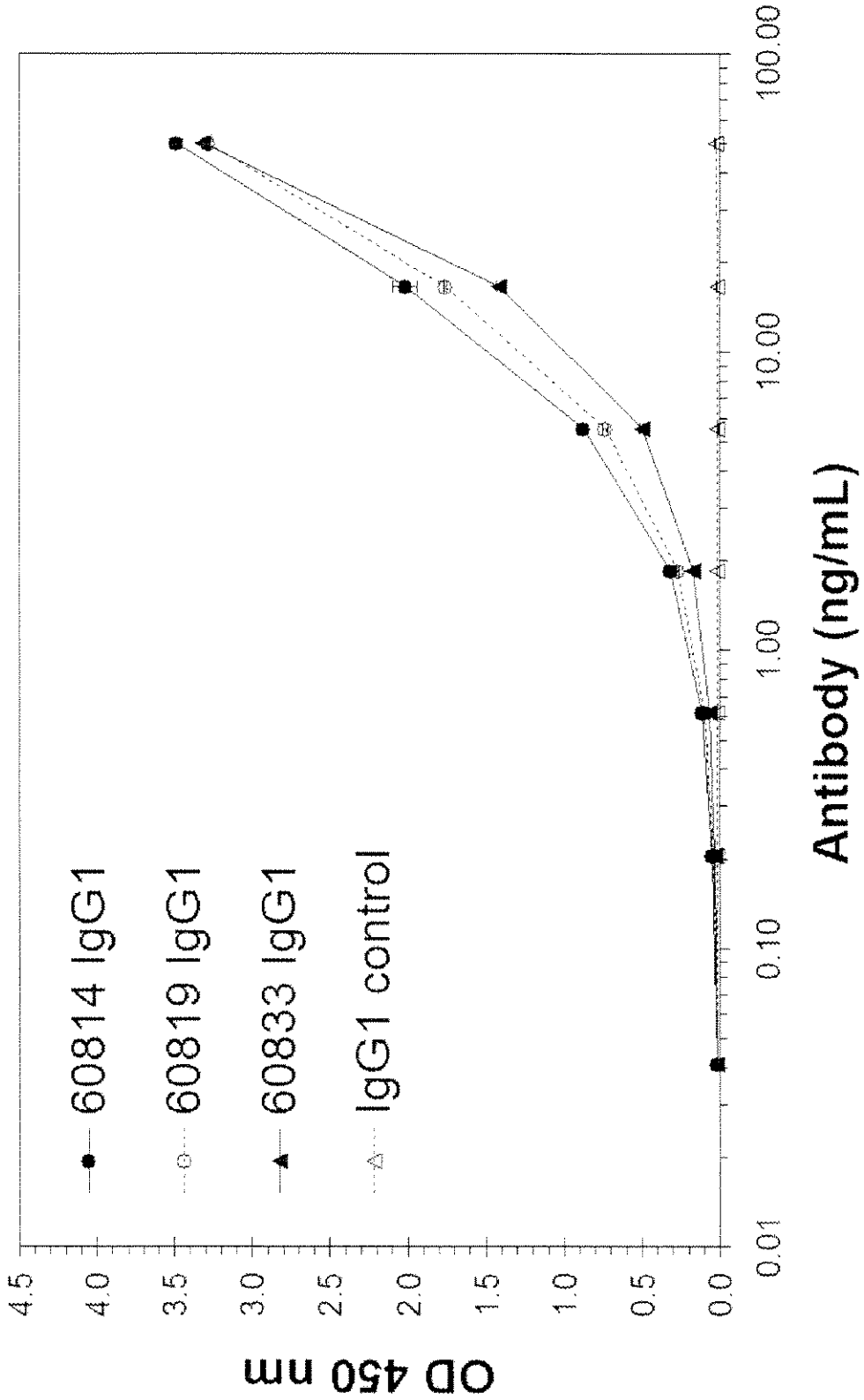

OD 450 nm
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.01
0.10
1.00
10.00
100.00
Antibody (ng/mL)
60814 IgG1
60819 IgG1
60833 IgG1
IgG1 control

Fig. 1D

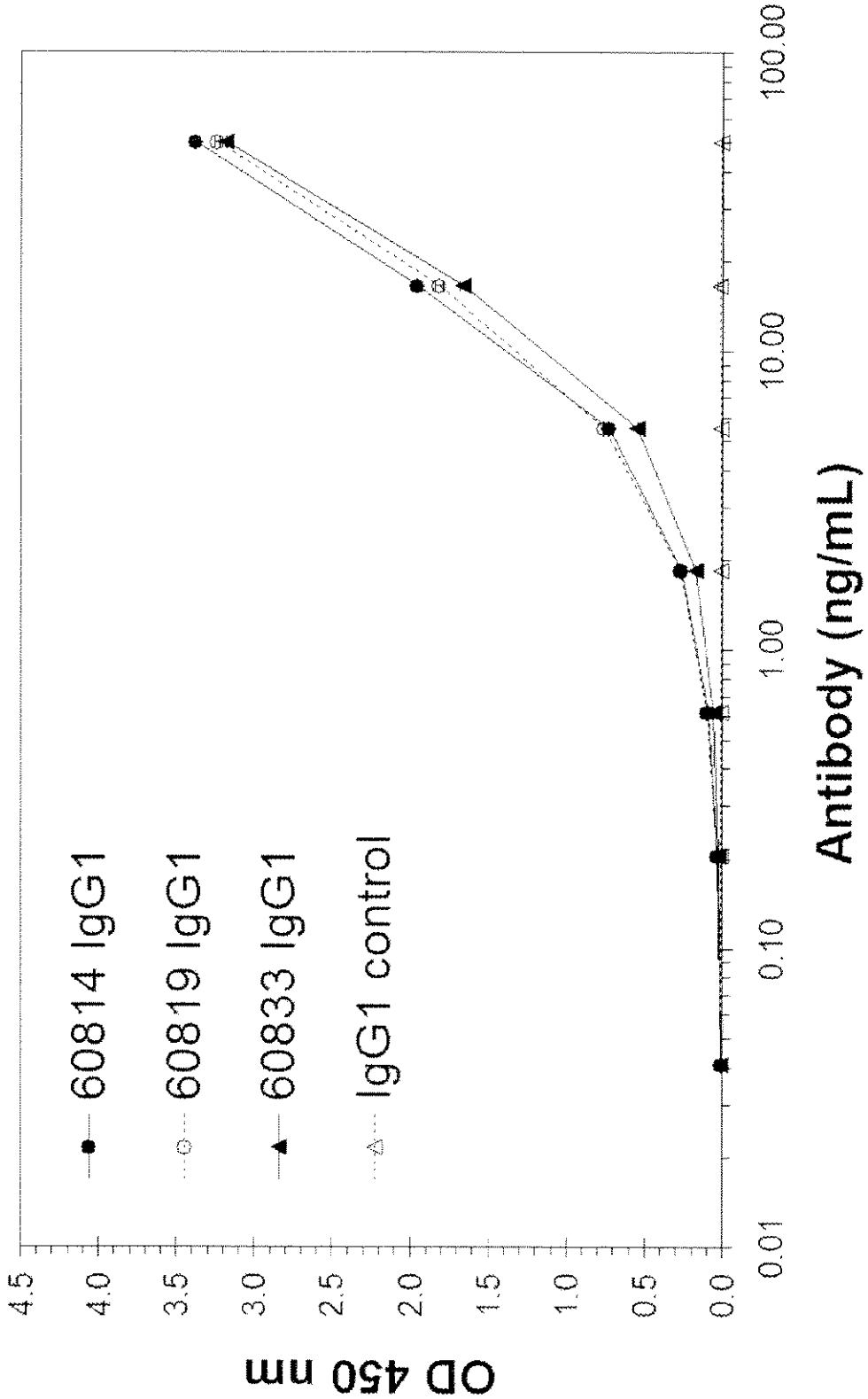

OD 450 nm
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.01
0.10
1.00
10.00
100.00
Antibody (ng/mL)
60814 IgG1
60819 IgG1
60833 IgG1
IgG1 control

Fig. 1E

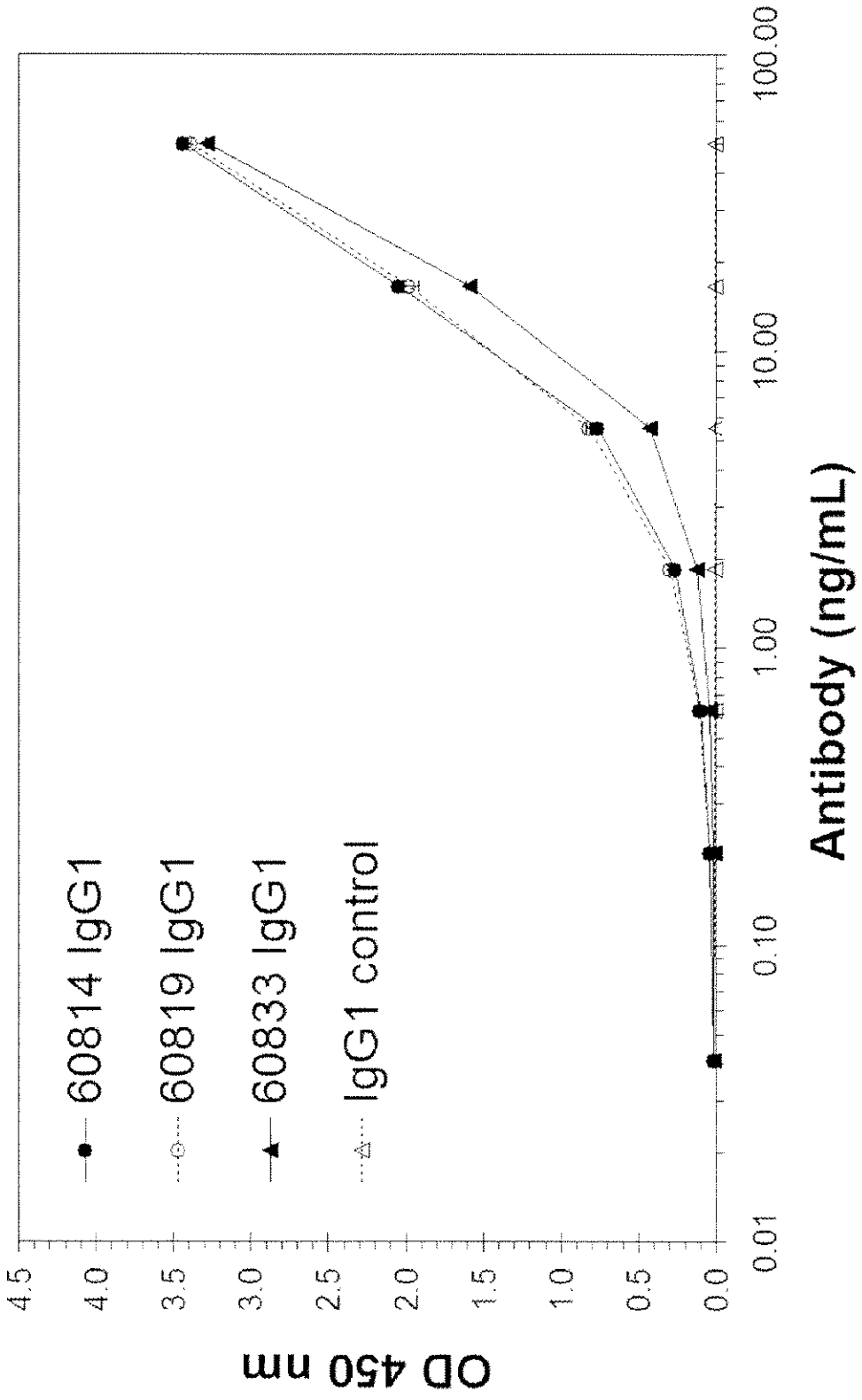

OD 450 nm
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.01
0.10
1.00
10.00
100.00
Antibody (ng/mL)
60814 IgG1
60819 IgG1
60833 IgG1
IgG1 control

Fig. 1F

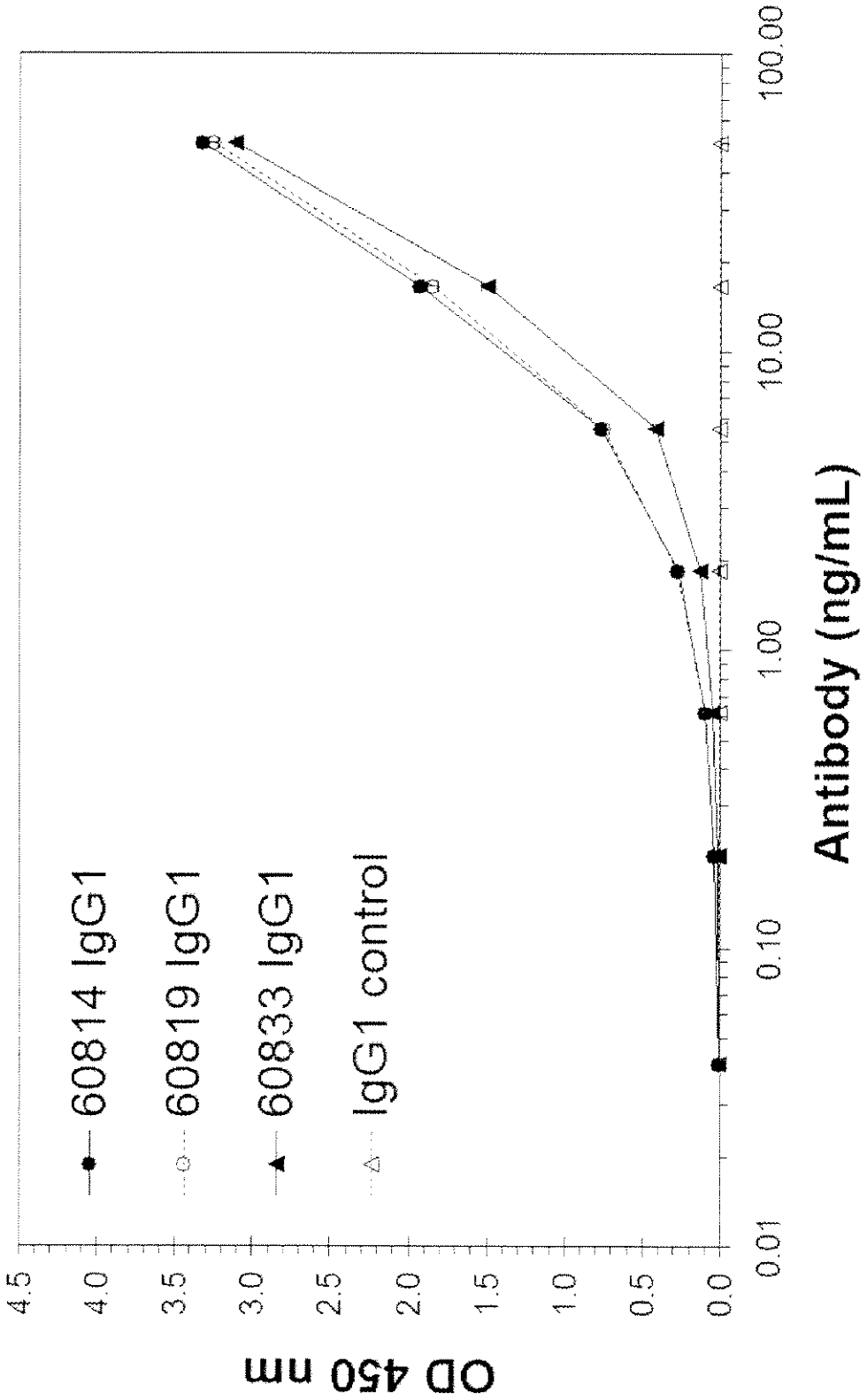

OD 450 nm
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.01
0.10
1.00
10.00
100.00
Antibody (ng/mL)
60814 IgG1
60819 IgG1
60833 IgG1
IgG1 control

Fig. 1G

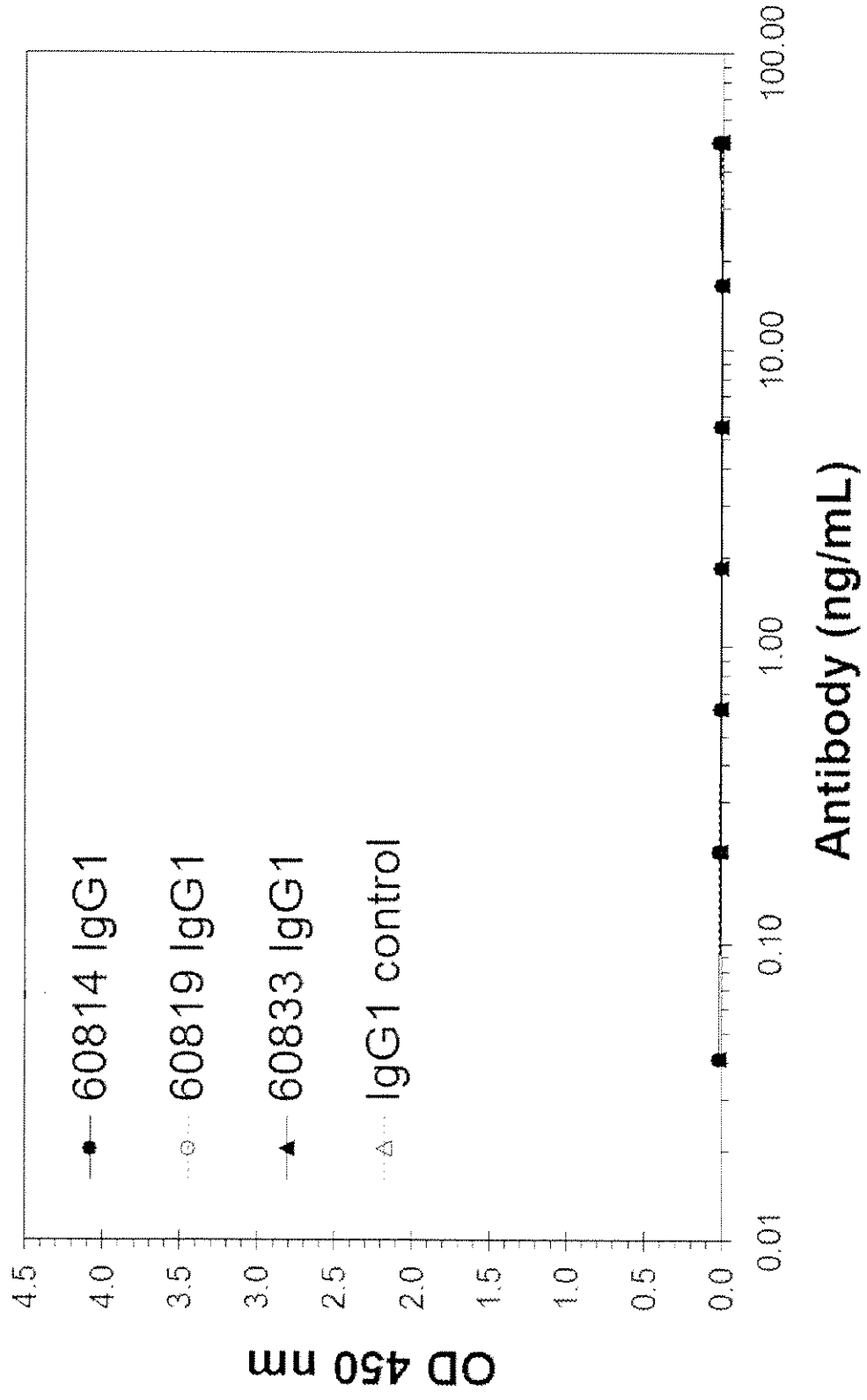

OD 450 nm
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.01
0.10
1.00
10.00
100.00
Antibody (ng/mL)
60814 IgG1
60819 IgG1
60833 IgG1
IgG1 control

Fig. 2A

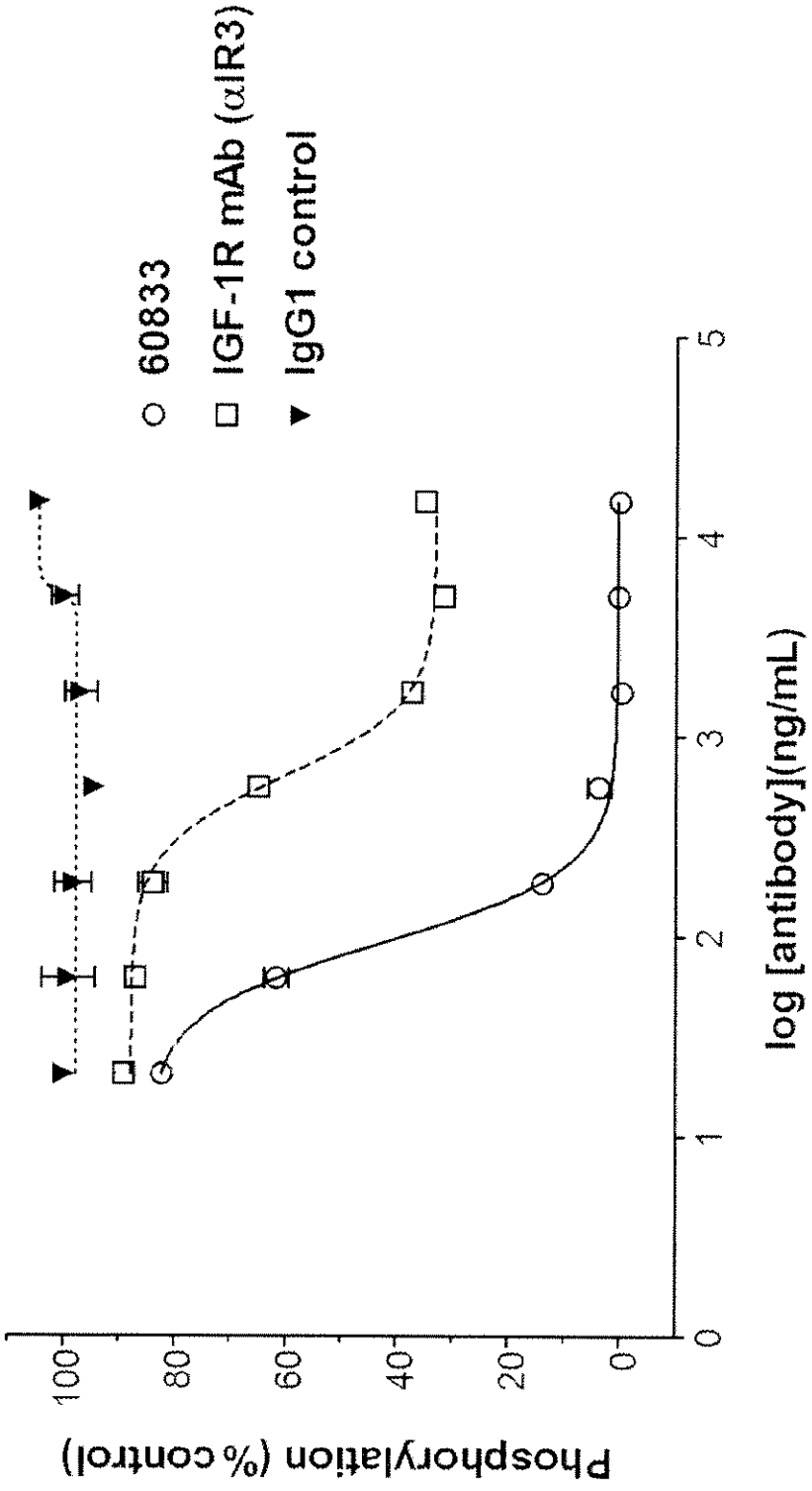

60833
IGF-1R mAb (αIR3)
IgG1 control
Phosphorylation (% control)
100
80
60
40
20
0
0
1
2
3
4
5
log [antibody](ng/mL)

Fig. 2B

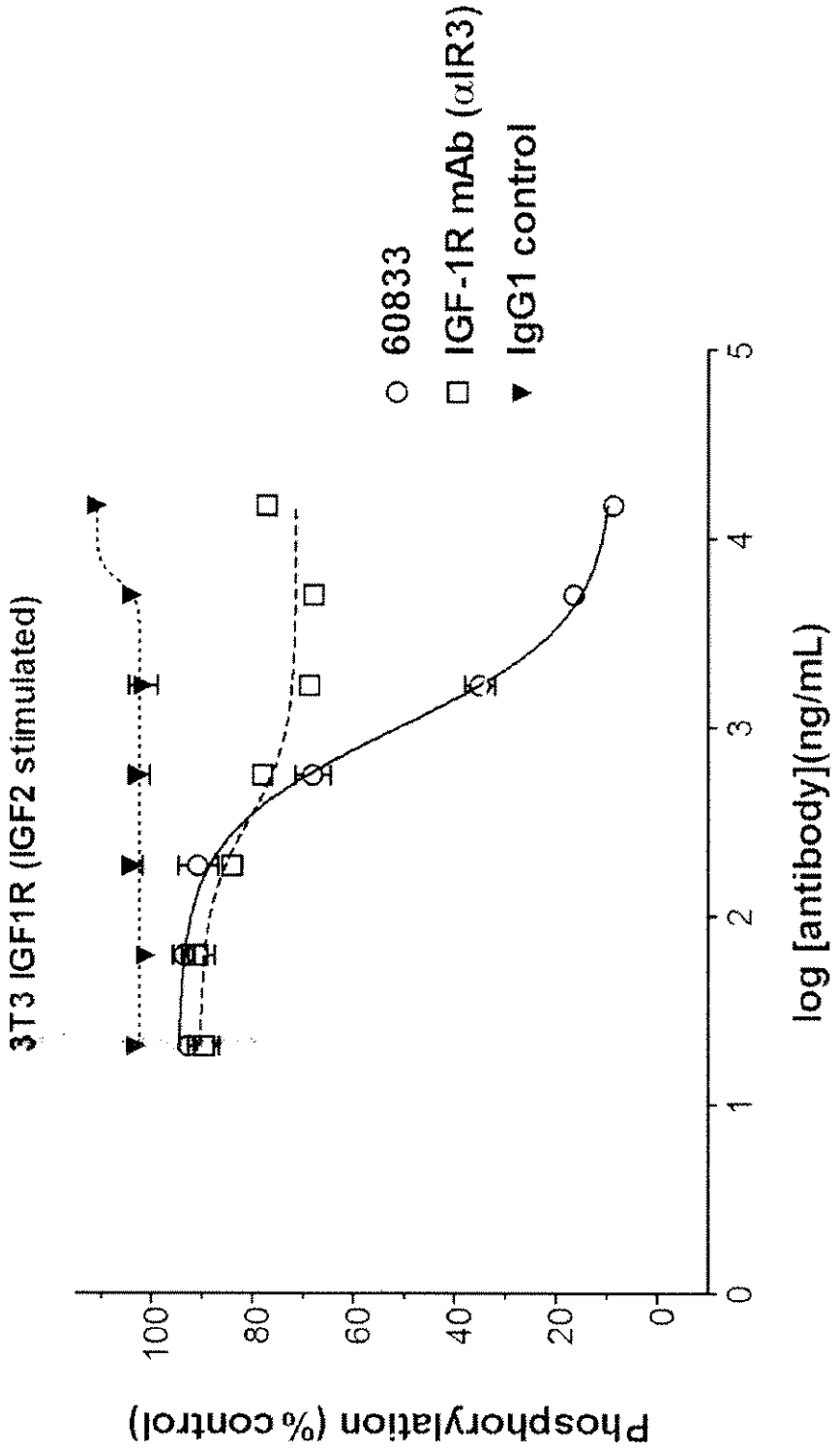

3T3 IGF1R (IGF2 stimulated)
60833
IGF-1R mAb (αIR3)
IgG1 control
Phosphorylation (% control)
log [antibody](ng/mL)
0
20
40
60
80
100
0
1
2
3
4
5

Fig. 3A

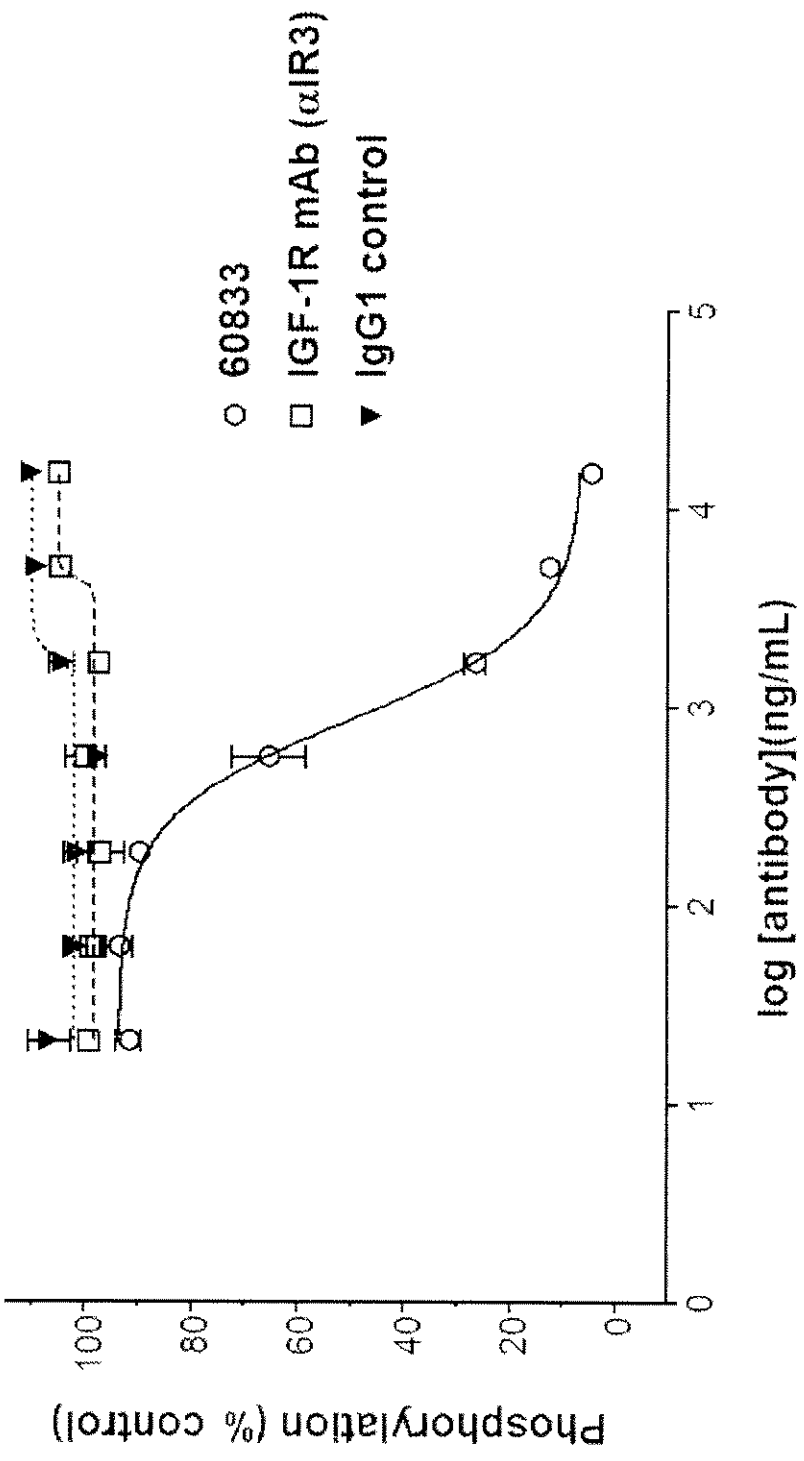

60833
IGF-1R mAb (αIR3)
IgG1 control
Phosphorylation (% control)
log [antibody](ng/mL)
0
20
40
60
80
100
0
1
2
3
4
5

Fig. 3B

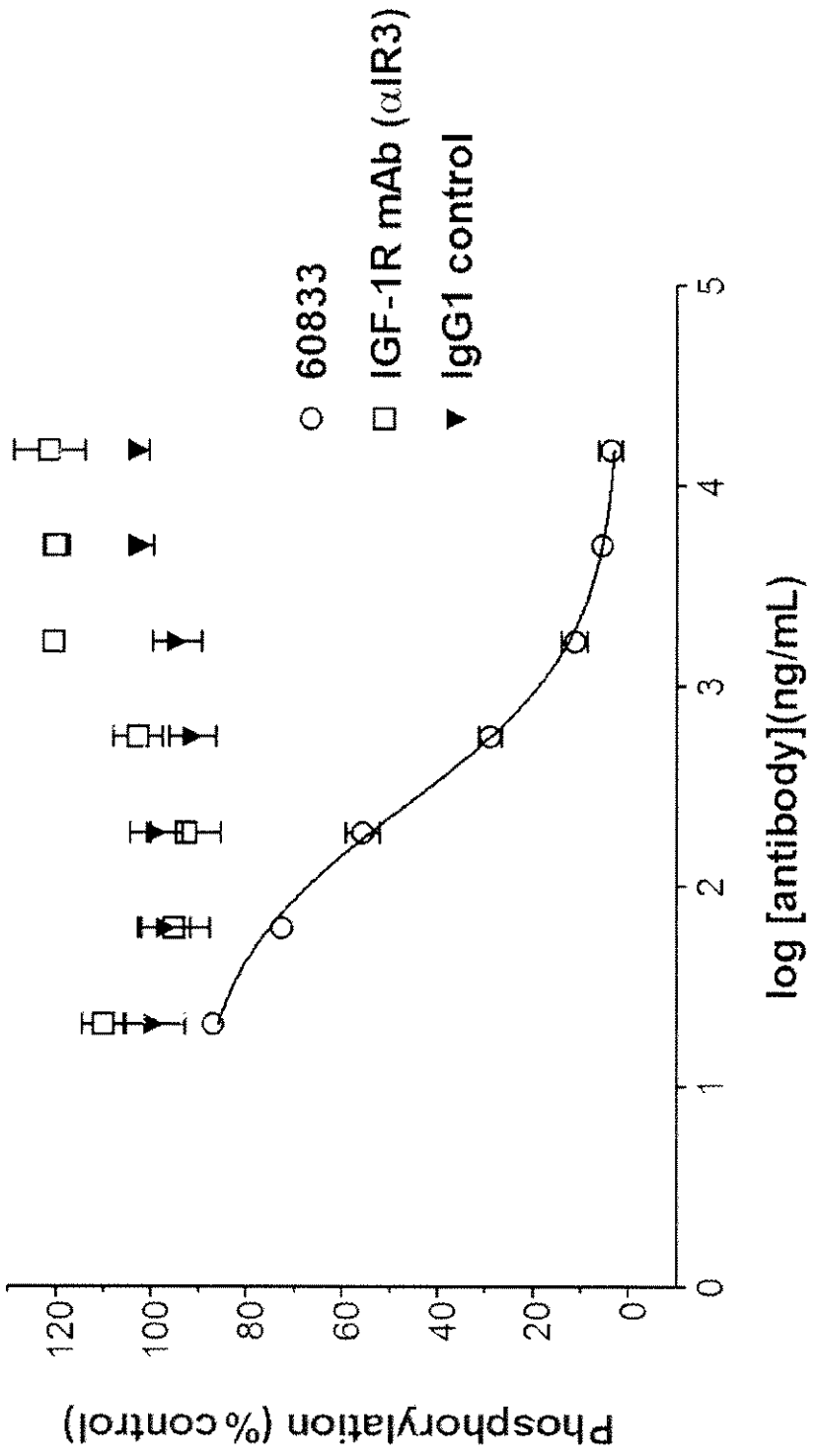

60833
IGF-1R mAb (αIR3)
IgG1 control
Phosphorylation (% control)
log [antibody](ng/mL)
0
20
40
60
80
100
120
0
1
2
3
4
5

Fig. 4A

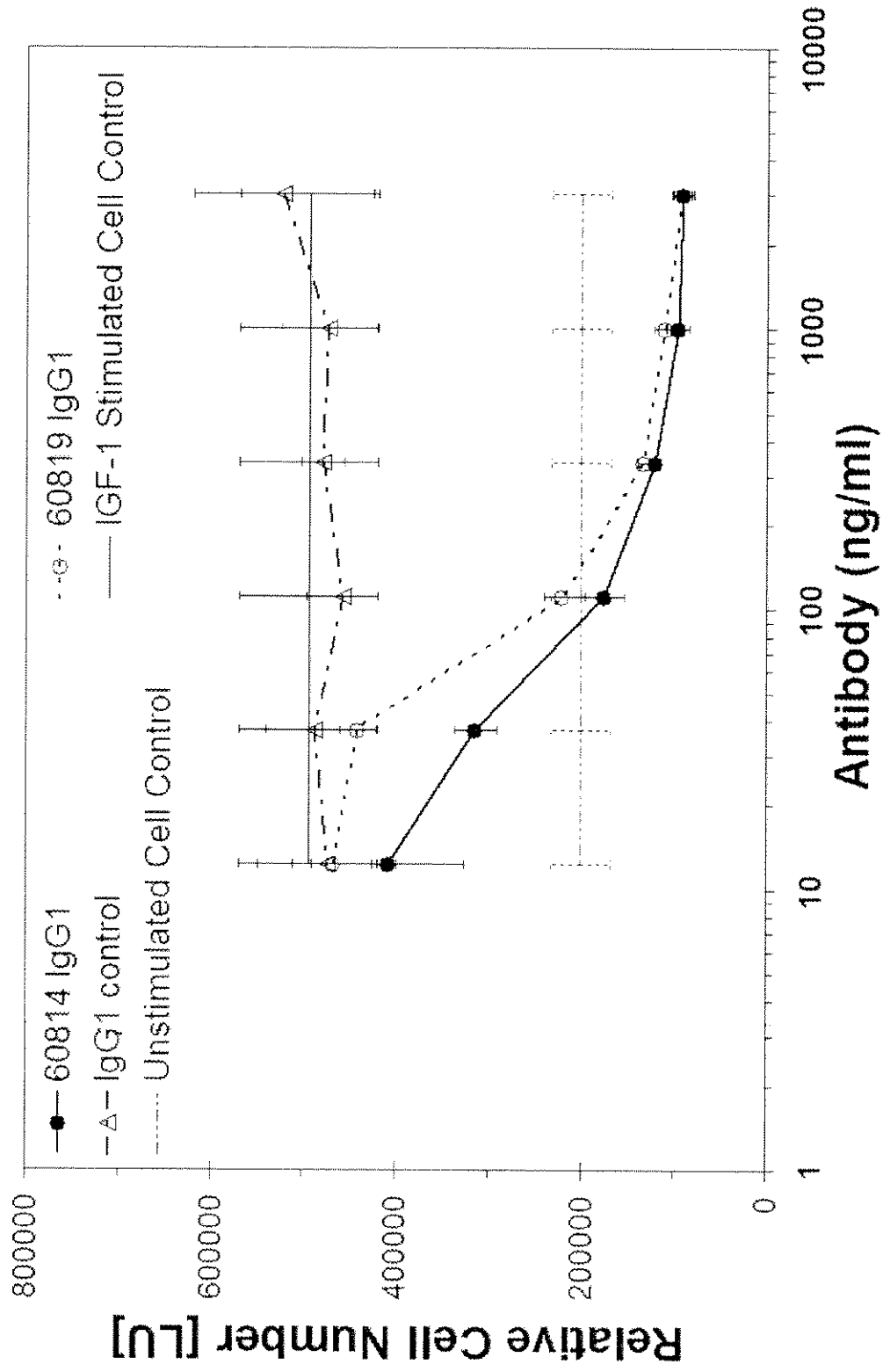

Relative Cell Number [LU]
800000
600000
400000
200000
0
1
10
100
1000
10000
Antibody (ng/ml)
60814 IgG1
IgG1 control
Unstimulated Cell Control
60819 IgG1
IGF-1 Stimulated Cell Control

Fig. 4B

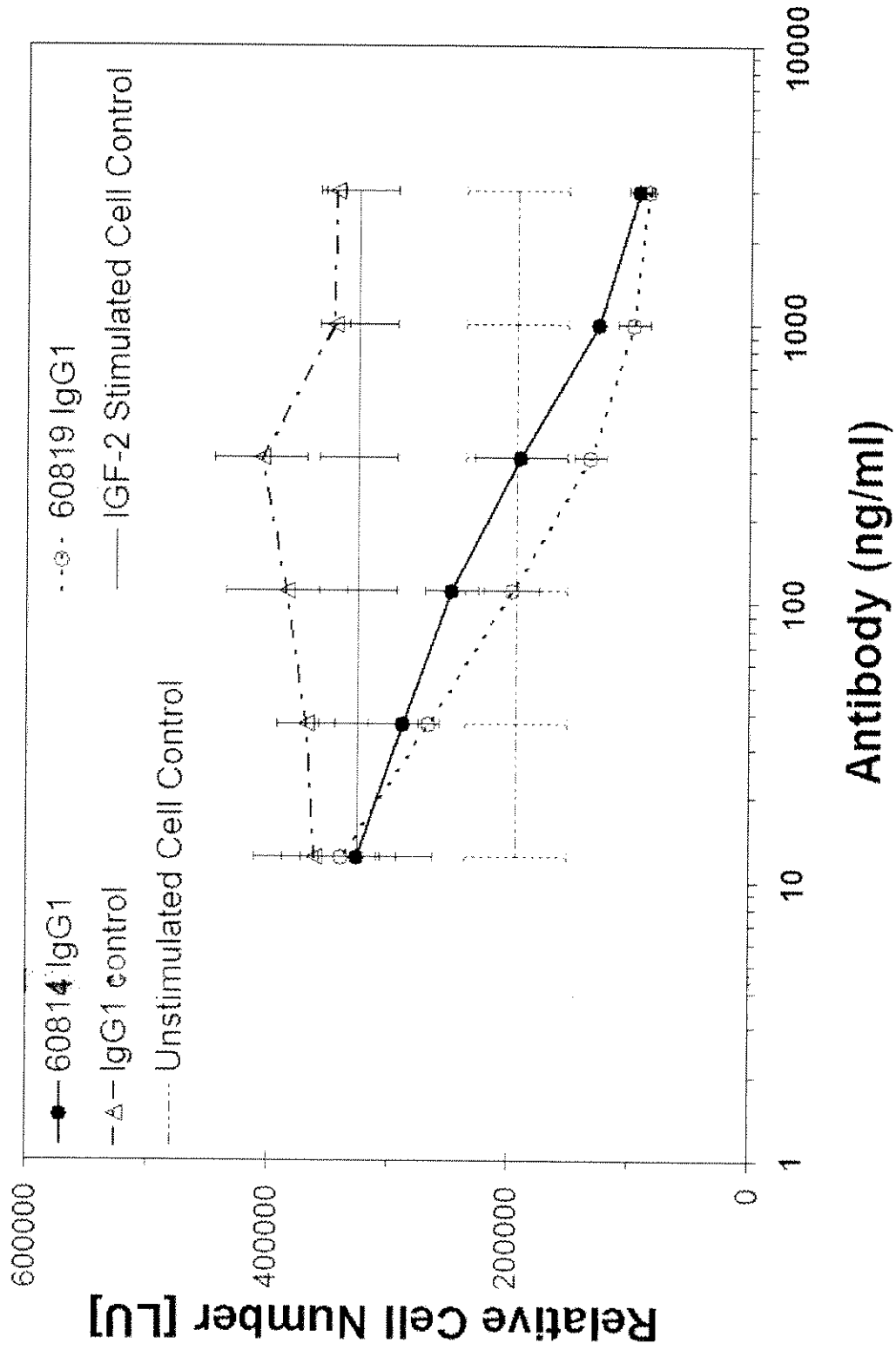

Relative Cell Number [LU]
600000
400000
200000
0
1
10
100
1000
10000
Antibody (ng/ml)
60814 IgG1
IgG1 control
Unstimulated Cell Control
60819 IgG1
IGF-2 Stimulated Cell Control

Fig. 4C

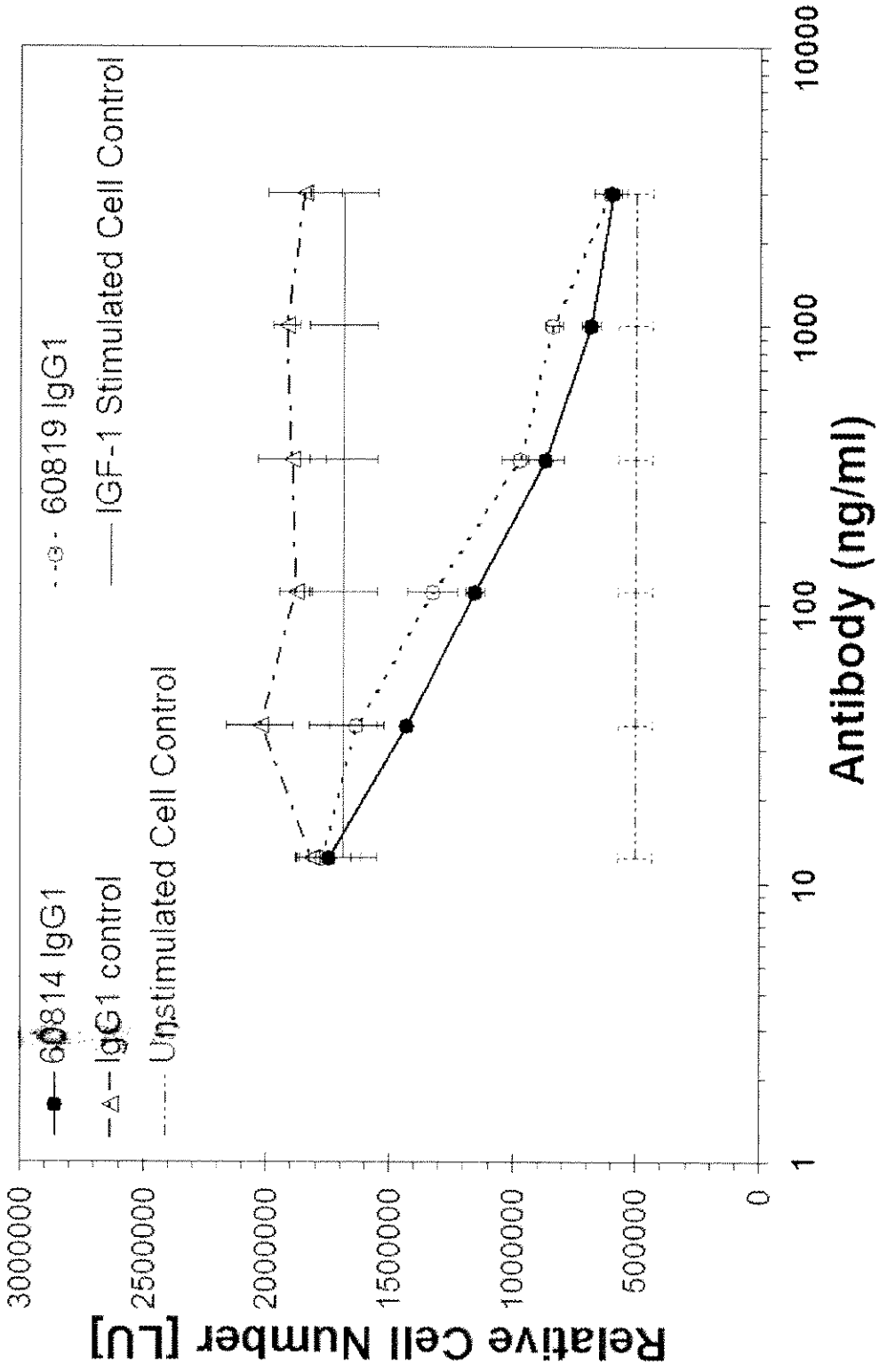

Relative Cell Number [LU]
3000000
2500000
2000000
1500000
1000000
500000
0
1
10
100
1000
10000
Antibody (ng/ml)
60814 IgG1
IgG1 control
Unstimulated Cell Control
60819 IgG1
IGF-1 Stimulated Cell Control

Fig. 4D

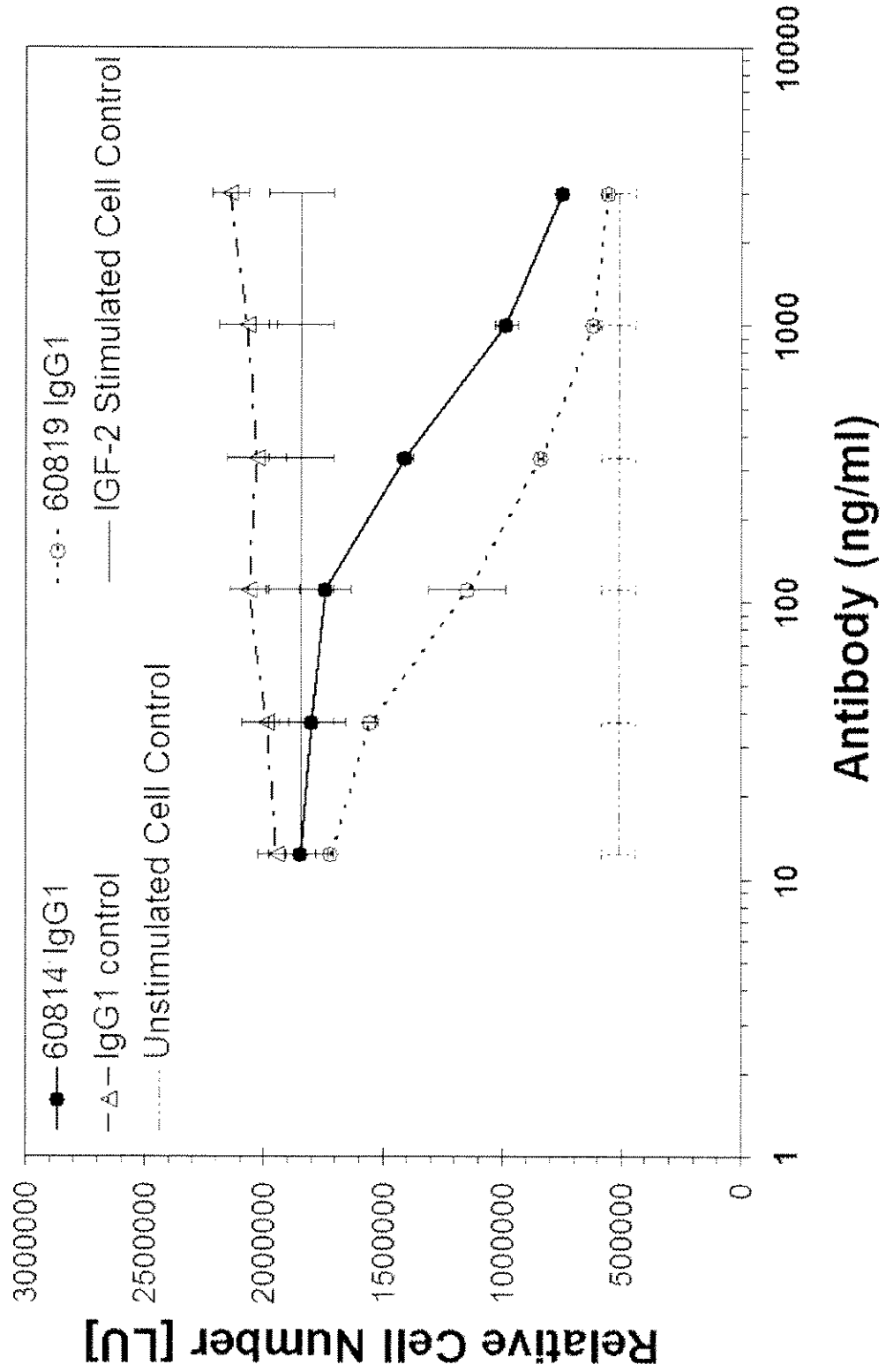

60814 IgG1
IgG1 control
Unstimulated Cell Control
60819 IgG1
IGF-2 Stimulated Cell Control
Relative Cell Number [LU]
3000000
2500000
2000000
1500000
1000000
500000
0
1
10
100
1000
10000
Antibody (ng/ml)

Fig. 5

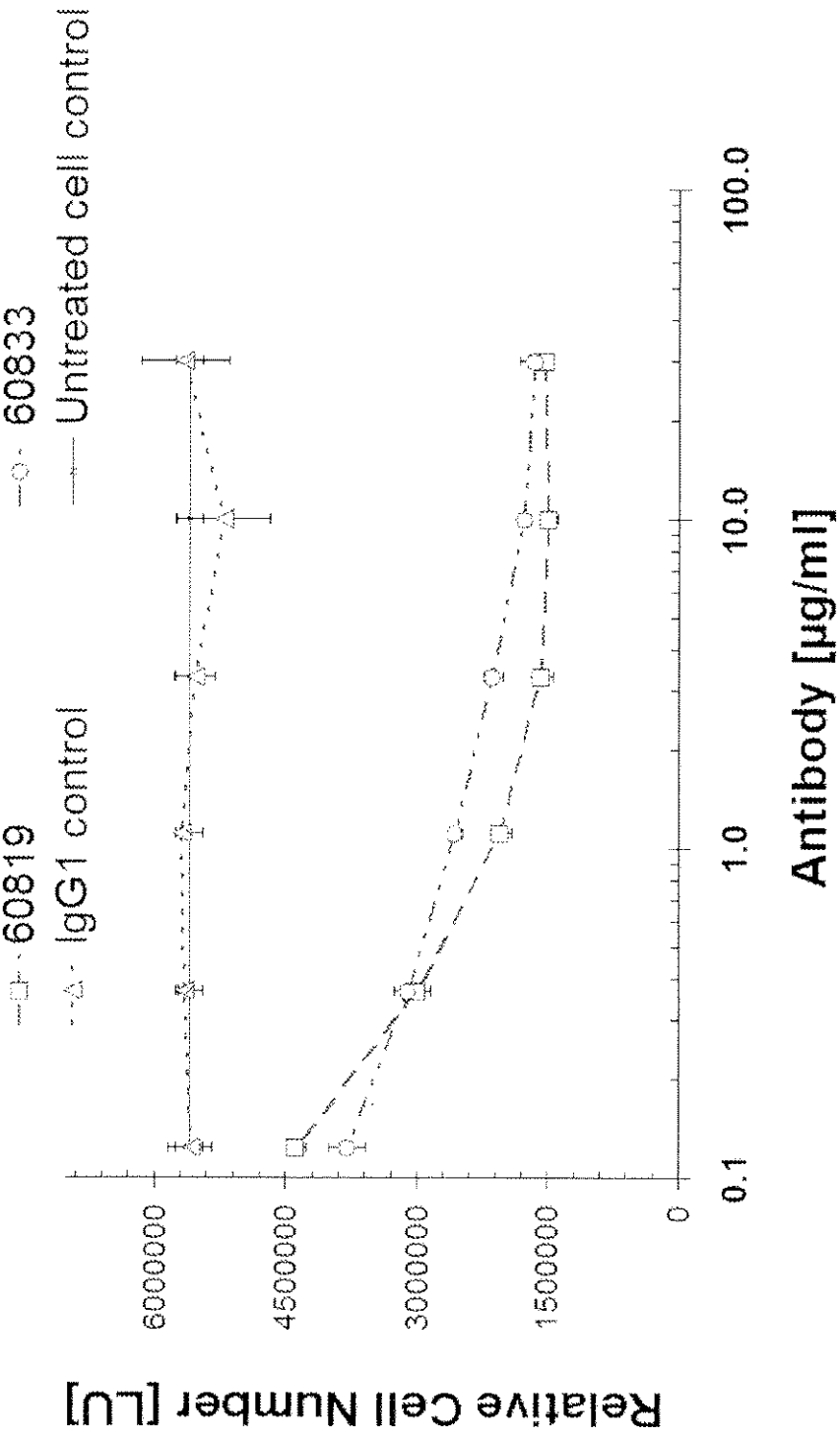

60819
IgG1 control
60833
Untreated cell control
Relative Cell Number [LU]
6000000
4500000
3000000
1500000
0
0.1
1.0
10.0
100.0
Antibody [µg/ml]

Fig. 6

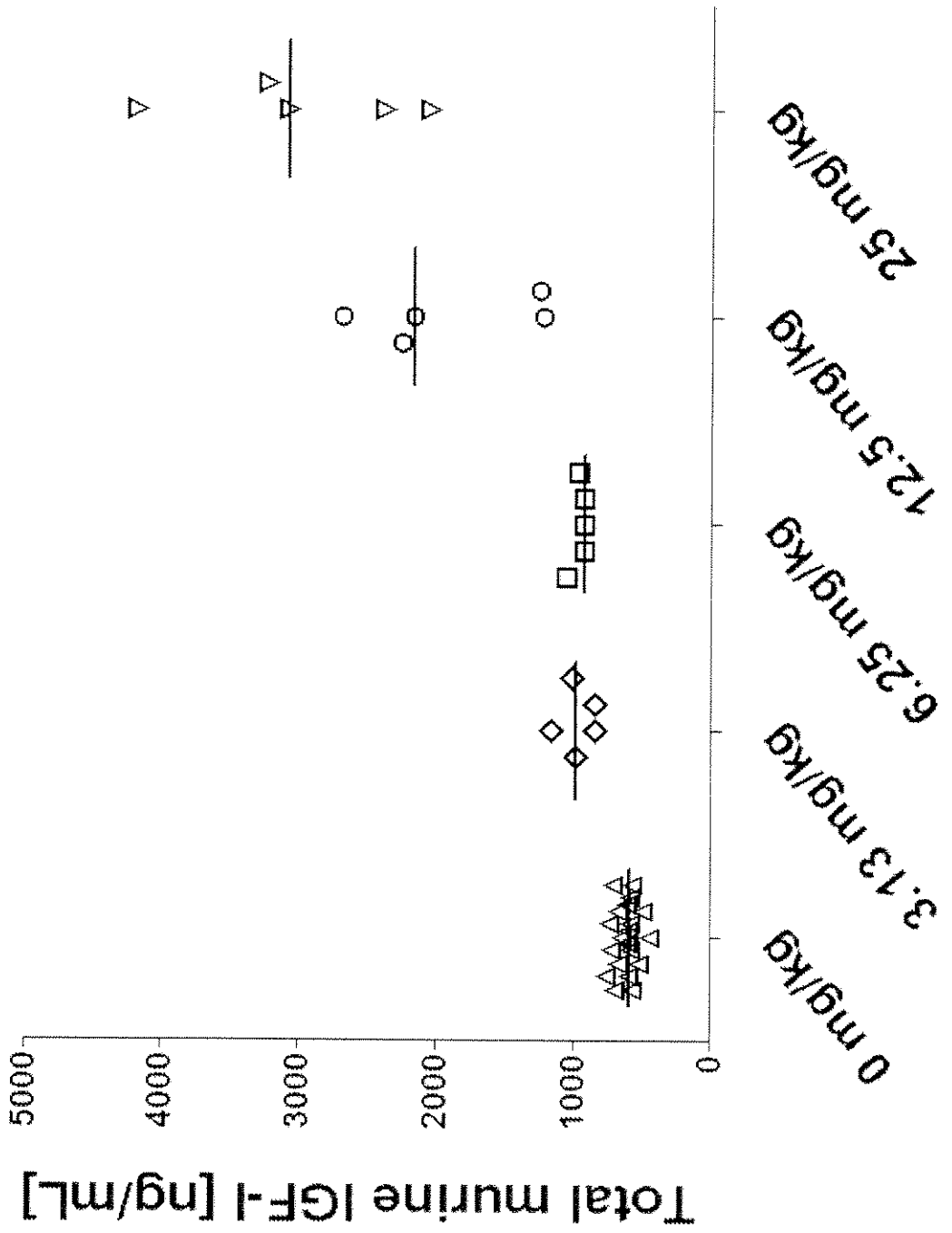

Total murine IGF-I [ng/mL]
5000
4000
3000
2000
1000
0
0 mg/kg
3.13 mg/kg
6.25 mg/kg
12.5 mg/kg
25 mg/kg

Fig. 7

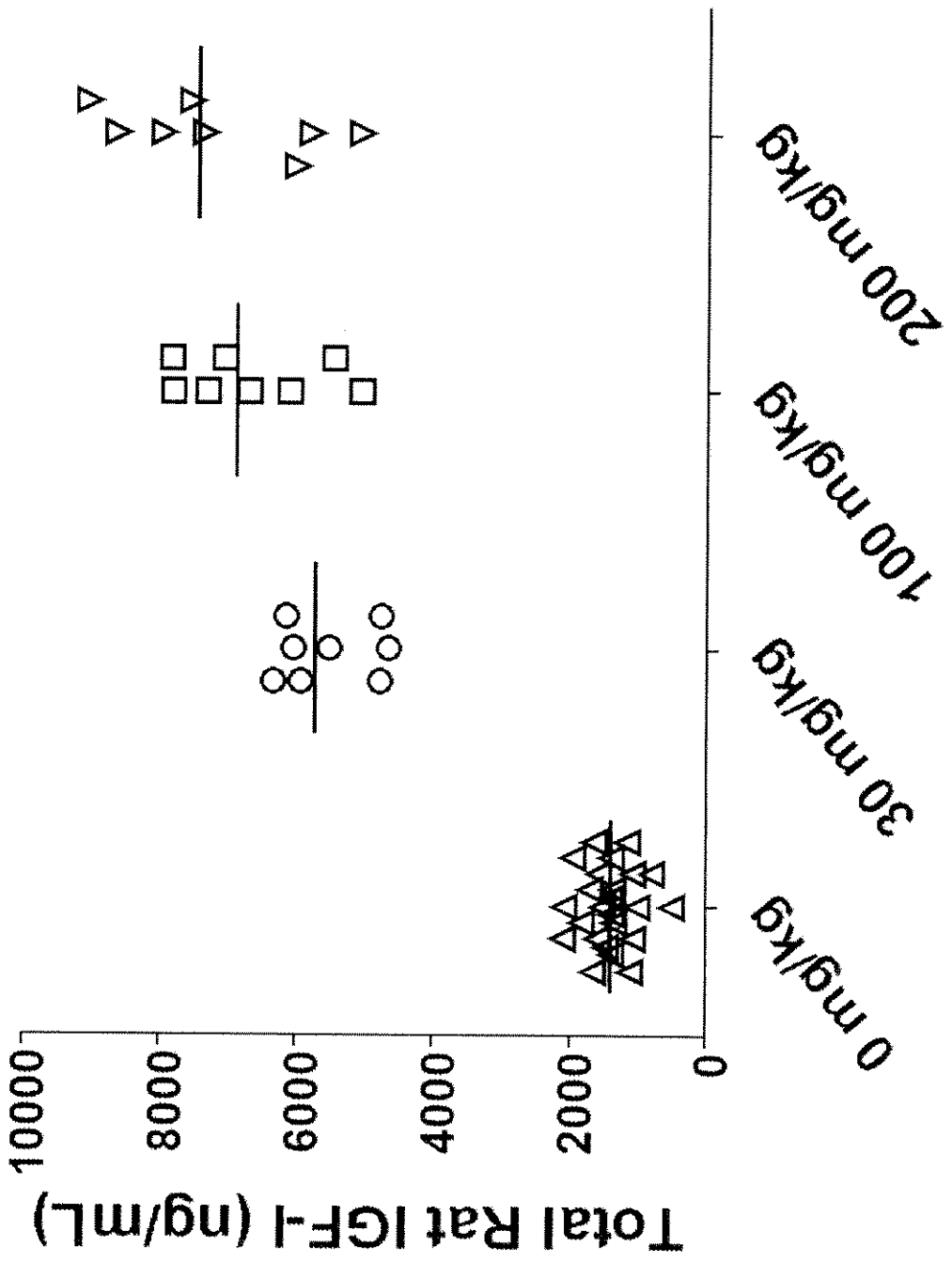

Total Rat IGF-I (ng/mL)
10000
8000
6000
4000
2000
0
0 mg/kg
30 mg/kg
100 mg/kg
200 mg/kg

Fig. 8

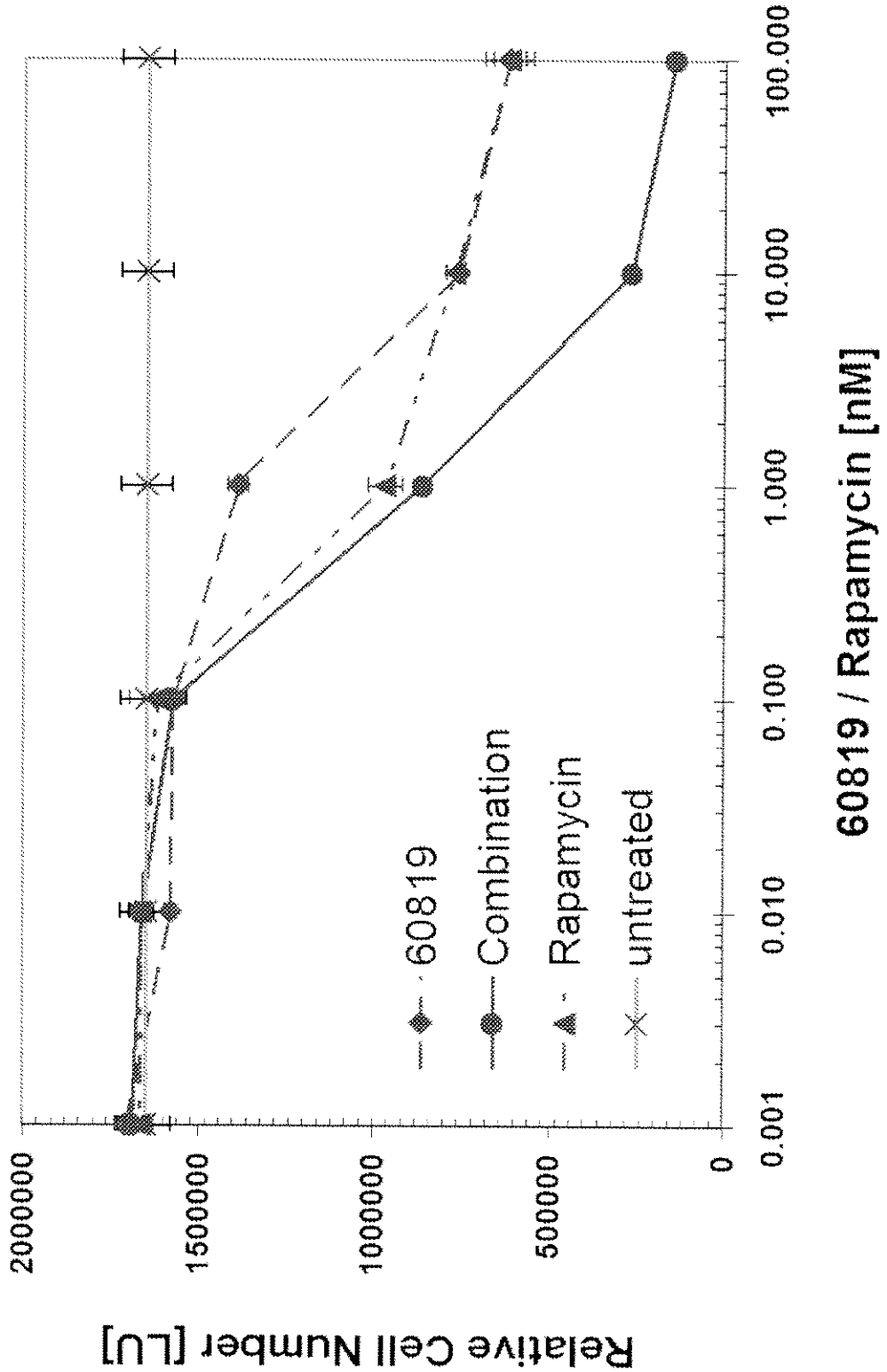

Relative Cell Number [LU]
2000000
1500000
1000000
500000
0
0.001
0.010
0.100
1.000
10.000
100.000
60819 / Rapamycin [nM]
60819
Combination
Rapamycin
untreated

Fig. 9

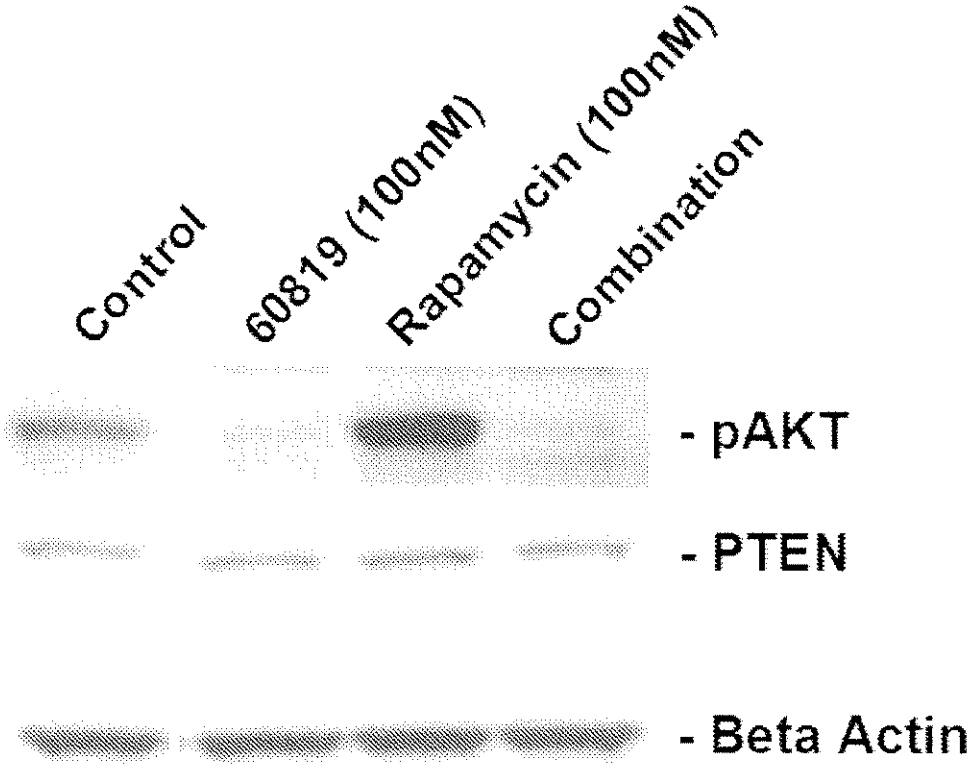

Control
60819 (100nM)
Rapamycin (100nM)
Combination
- pAKT
- PTEN
- Beta Actin

Fig. 10

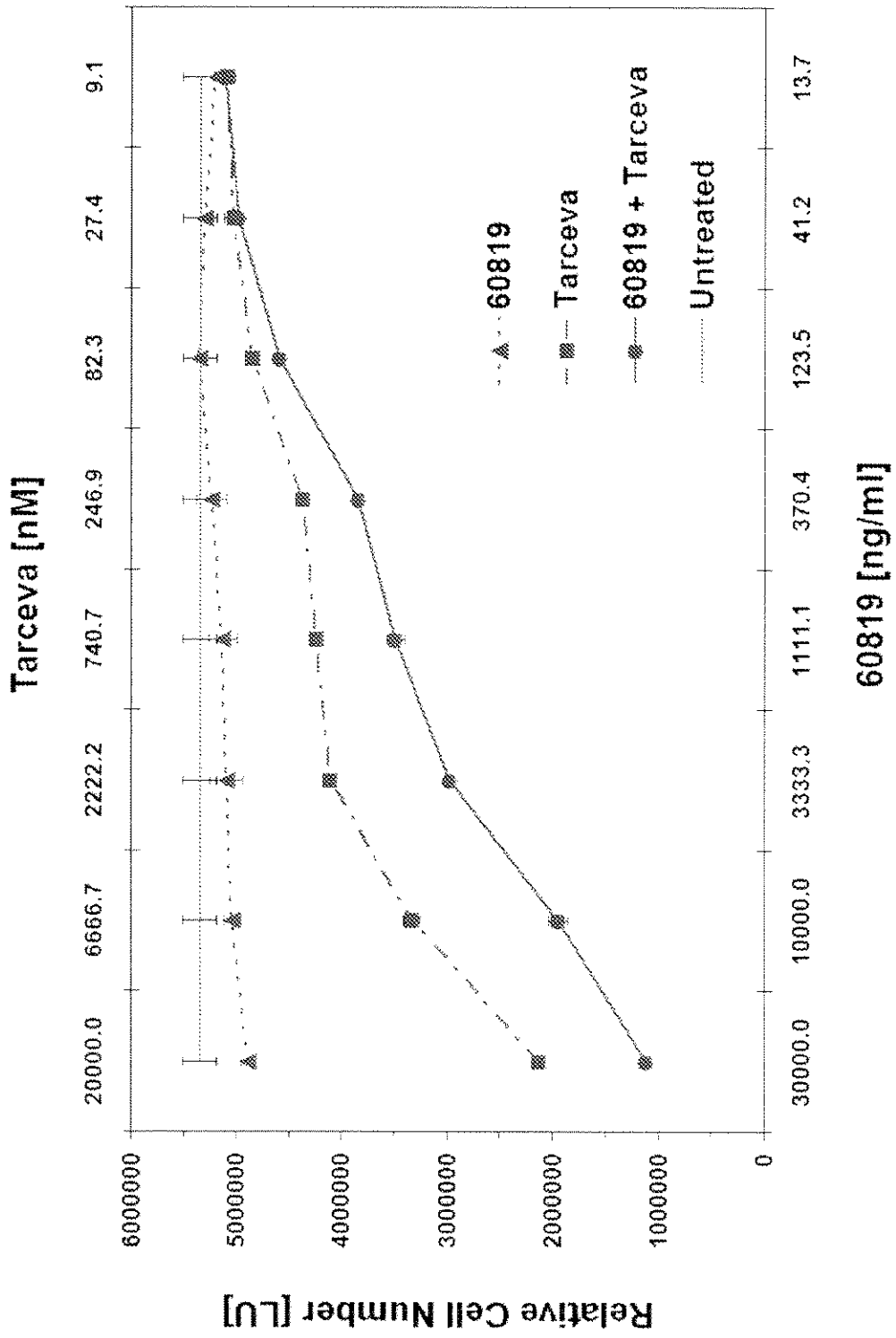
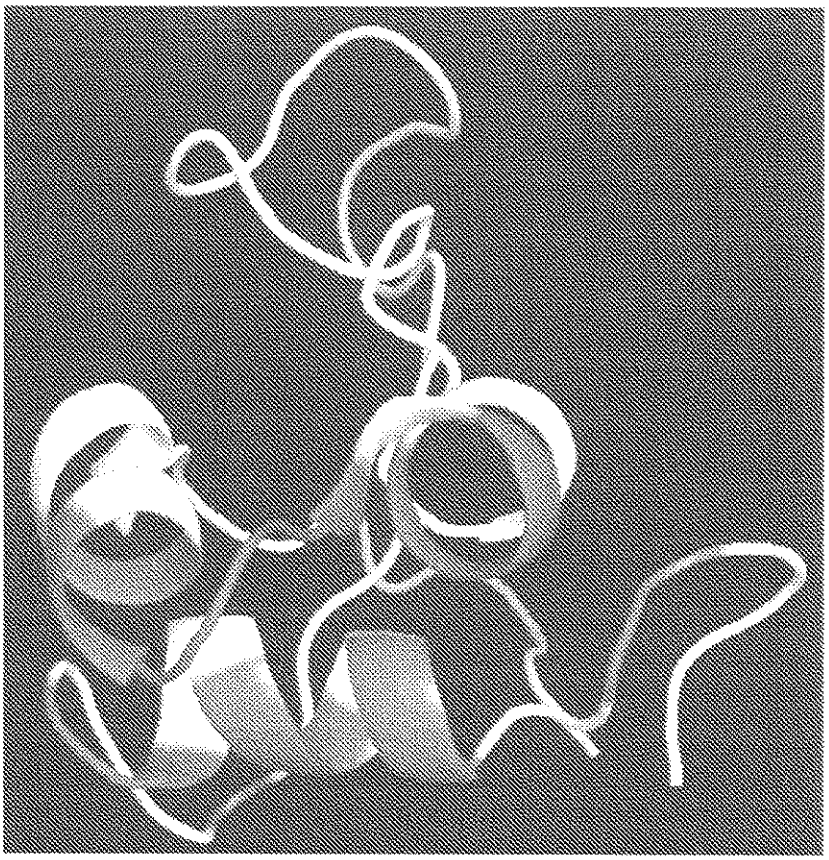

Tarceva [nM]
20000.0
6666.7
2222.2
740.7
246.9
82.3
27.4
9.1
60819 [ng/ml]
30000.0
10000.0
3333.3
1111.1
370.4
123.5
41.2
13.7
Relative Cell Number [LU]
6000000
5000000
4000000
3000000
2000000
1000000
0
60819
Tarceva
60819 + Tarceva
Untreated

Fig. 11



GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSSRRAPQ

TGIVDECCFRSCDLRRLEMYCAPLKPAKSA

60814

VH3 Amino Acid Sequence:

QVELVESGGGLVQPGGSLRLSCAASGFTFS**NYWMH**WVRQAPGKGLEWVS**GISGWSSWTYYADSVKG**RFT
ISRDNSKNTLYLQMNSLRAEDTAVYYCAR**FGIDAYTKVYFDY**WGQGTLVTVSS

VH3 DNA Sequence:

CAGGTGGAATTGGTGGAAAGCGGCGGCGGCCTGGTGCAACCGGGCGGCAGCCTGCGTCTGAGCTGCGCGGCCTCCGGATT
TACCTTTTCTAATTATTGGATGCATTGGGTGCGCCAAGCCCCTGGGAAGGGTCTCGAGTGGGTGAGCGGTATCTCTGGTT
GGTCTAGCTGGACCTATTATGCGGATAGCGTGAAAGGCCGTTTTACCATTTCACGTGATAATTCGAAAAACACCCTGTAT
CTGCAAATGAACAGCCTGCGTGCGGAAGATACGGCCGTGTATTATTGCGCGCGTTTTGGTATTGATGCTTATACTAAGGT
TTATTTTGATTATTGGGGCCAAGGCACCCTGGTGACGGTTAGCTCA

60814

Vλ3 Amino Acid Sequence:

DIELTQPPSVSVAPGQTARISC**SGDNIPLKYVS**WYQQKPGQAPVLVIH**DDNKRPS**GIPERFSGSNSGN
TATLTISGTQAEDEADYYC**SSWDTLDIFNV**FGGGTKLTVLG(Q)

Vλ3 DNA Sequence:

GATATCGAACTGACCCAGCCGCCTTCAGTGAGCGTTGCACCAGGTCAGACCGCGCGTATCTCGTGTAGCGGCGATAATAT
TCCTCTTAAGTATGTTTCTTGGTACCAGCAGAAACCCGGGCAGGCGCCAGTTCTTGTGATTCATGATGATAATAAGCGTC
CCTCAGGCATCCCGGAACGCTTTAGCGGATCCAACAGCGGCAACACCGCGACCCTGACCATTAGCGGCACTCAGGCGGAA
GACGAAGCGGATTATTATTGCTCTTCTTGGGATACTCTTGATATTTTTAATGTGTTTGGCGGCGGCACGAAGTTAACCGT
CCTAGGT

Fig. 12A

60819

VH3 Amino Acid Sequence:

QVELVESGGGLVQPGGSLRLSCAASGFTFS**NYWMH**WVRQAPGKGLEWVS**GISGWSSWTYYADSVKG**RFT
ISRDNSKNTLYLQMNSLRAEDTAVYYCAR**FGIDAYTKVYFDY**WGQGTLVTVSS

VH3 DNA Sequence:

CAGGTGGAATTGGTGGAAAGCGGCGGCGGCCTGGTGCAACCGGGCGGCAGCCTGCGTCTGAGCTGCGCGGCCTCCGGATT
TACCTTTTCTAATTATTGGATGCATTGGGTGCGCCAAGCCCCTGGGAAGGGTCTCGAGTGGGTGAGCGGTATCTCTGGTT
GGTCTAGCTGGACCTATTATGCGGATAGCGTGAAAGGCCGTTTTACCATTTCACGTGATAATTCGAAAAACACCCTGTAT
CTGCAAATGAACAGCCTGCGTGCGGAAGATACGGCCGTGTATTATTGCGCGCGTTTTGGTATTGATGCTTATACTAAGGT
TTATTTTGATTATTGGGGCCAAGGCACCCTGGTGACGGTTAGCTCA

60819

Vλ3 Amino Acid Sequence:

DIELTQPPSVSVAPGQTARISC**SGDNIPLKYVS**WYQQKPGQAPVLVIH**DDNKRPS**GIPERFSGSNSGNTATLTIS
GTQAEDEADYYC**QSYDYFPKFVV**FGGGTKLTVLG (Q)

Vλ3 DNA Sequence:

GATATCGAACTGACCCAGCCGCCTTCAGTGAGCGTTGCACCAGGTCAGACCGCGCGTATCTCGTGTAGCGGCGATAATAT
TCCTCTTAAGTATGTTTCTTGGTACCAGCAGAAACCCGGGCAGGCGCCAGTTCTTGTGATTCATGATGATAATAAGCGTC
CCTCAGGCATCCCGGAACGCTTTAGCGGATCCAACAGCGGCAACACCGCGACCCTGACCATTAGCGGCACTCAGGCGGAA
GACGAAGCGGATTATTATTGCCAGTCTTATGATTATTTTCCTAAGTTTGTTGTGTTTGGCGGCGGCACGAAGTTAACCGT
CCTAGGT

Fig. 12B

60833

VH3 Amino Acid Sequence:

QVELVESGGGLVQPGGSLRLSCAASGFTFT**SYWMS**WVRQAPGKGLELVS**SITSYGSFTYYADSVKG**RFTISRD
NSKNTLYLQMNSLRAEDTAVYYCAR**NMYTHFDS**WGQGTLVTVSS

VH3 DNA Sequence:

CAGGTGGAATTGGTGGAAAGCGGCGGCGGCCTGGTGCAACCGGGCGGCAGCCTGCGTCTGAGCTGCGCGGCCTCCGGATT
TACCTTTACTTCTTATTGGATGTCTTGGGTGCGCCAAGCCCCTGGGAAGGGTCTCGAGCTTGTGAGCTCTATCACTTCTT
ATGGTAGCTTTACCTATTATGCGGATAGCGTGAAAGGCCGTTTTACCATTTCACGTGATAATTCGAAAAACACCCTGTAT
CTGCAAATGAACAGCCTGCGTGCGGAAGATACGGCCGTGTATTATTGCGCGCGTAATATGTATACTCATTTTGATTCTTG
GGGCCAAGGCACCCTGGTGACGGTTAGCTCA

60833

Vλ1 Amino Acid Sequence:

DIVLTQPPSVSGAPGQRVTISC**SGSSSNIGSNSVS**WYQQLPGTAPKLLIY**DNSKRPS**GVPDRFSGSKSGTSASLAI
TGLQSEDEADYYC**QSRDTYGYYWV**FGGGTKLTVLG (Q)

Vλ1 DNA Sequence:

GATATCGTGCTGACCCAGCCGCCTTCAGTGAGTGGCGCACCAGGTCAGCGTGTGACCATCTCGTGTAGCGGCAGCAGCAG
CAACATTGGTTCTAATTCTGTGTCTTGGTACCAGCAGTTGCCCGGGACGGCGCCGAAACTTCTGATTTATGATAATTCTA
AGCGTCCCTCAGGCGTGCCGGATCGTTTTAGCGGATCCAAAAGCGGCACCAGCGCGAGCCTTGCGATTACGGGCCTGCAA
AGCGAAGACGAAGCGGATTATTATTGCCAGTCTCGTGATACTTATGGTTATTATTGGGTGTTTGGCGGCGGCACGAAGTT
AACCGTCCTAGGT

Fig. 12C