

Figure 1

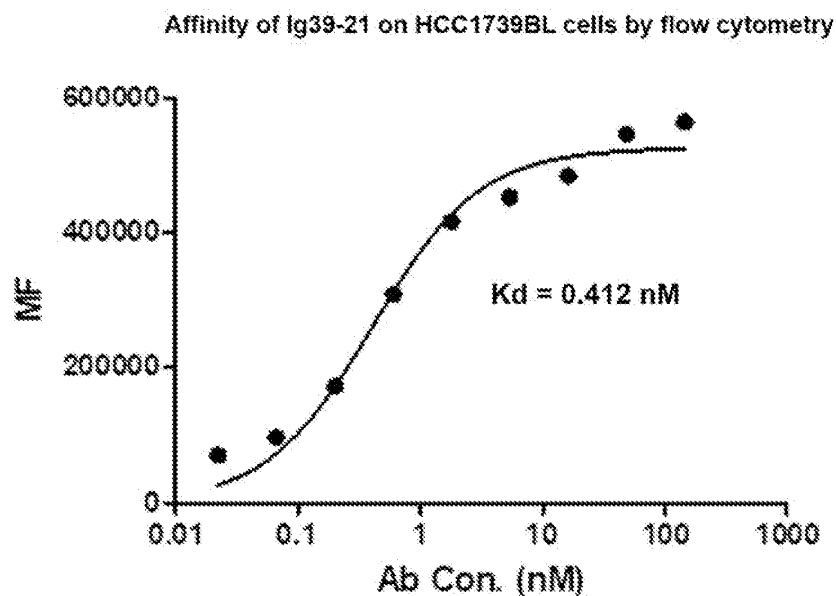


Figure 2

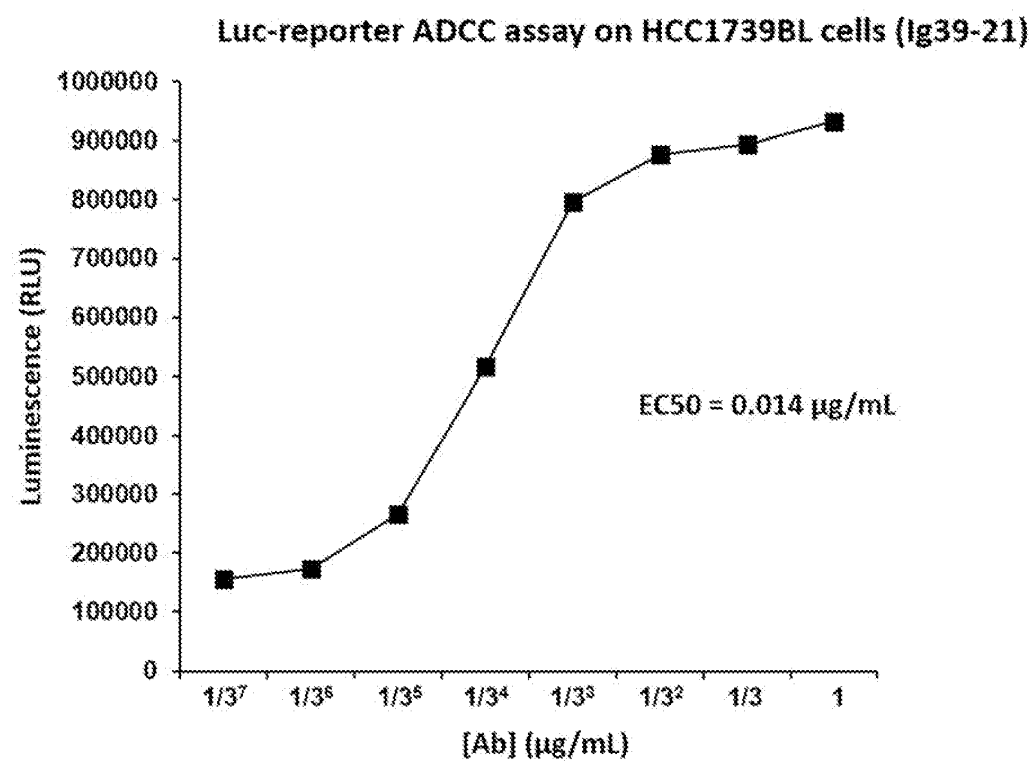


Figure 3

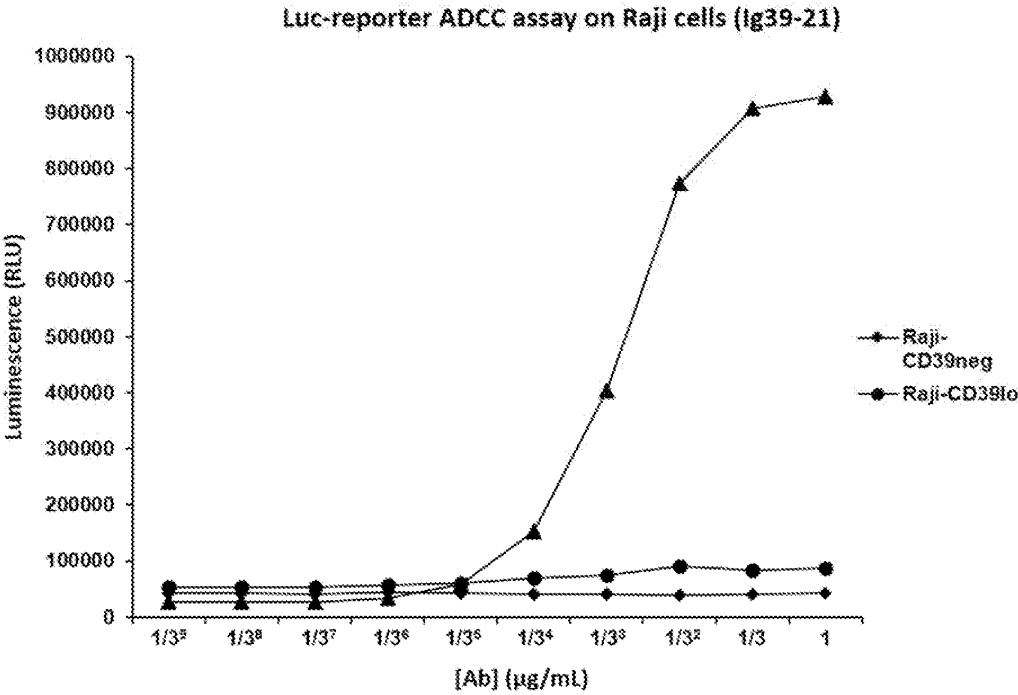


Figure 4

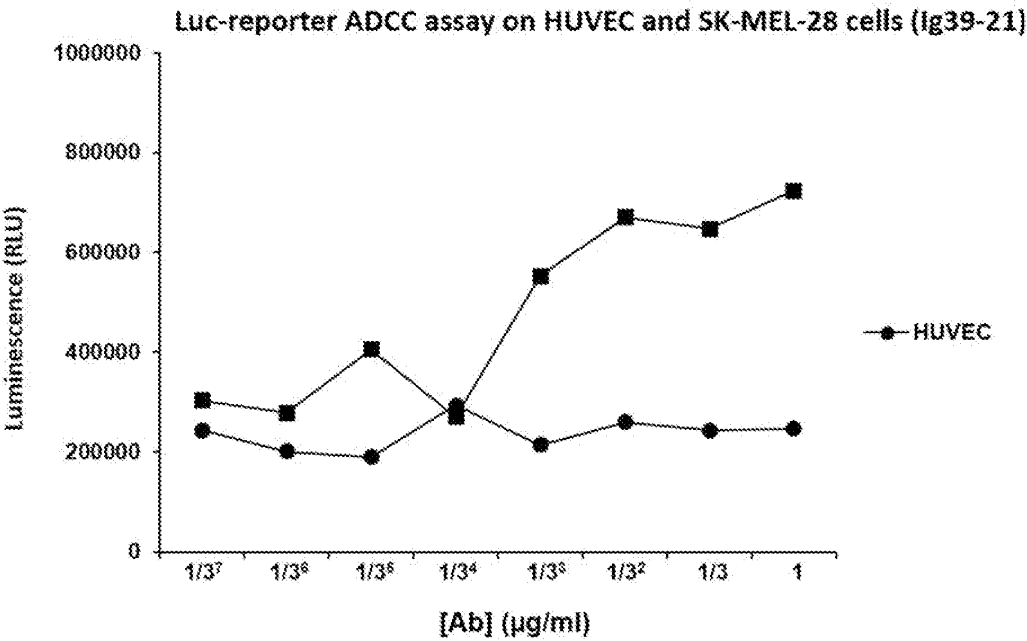
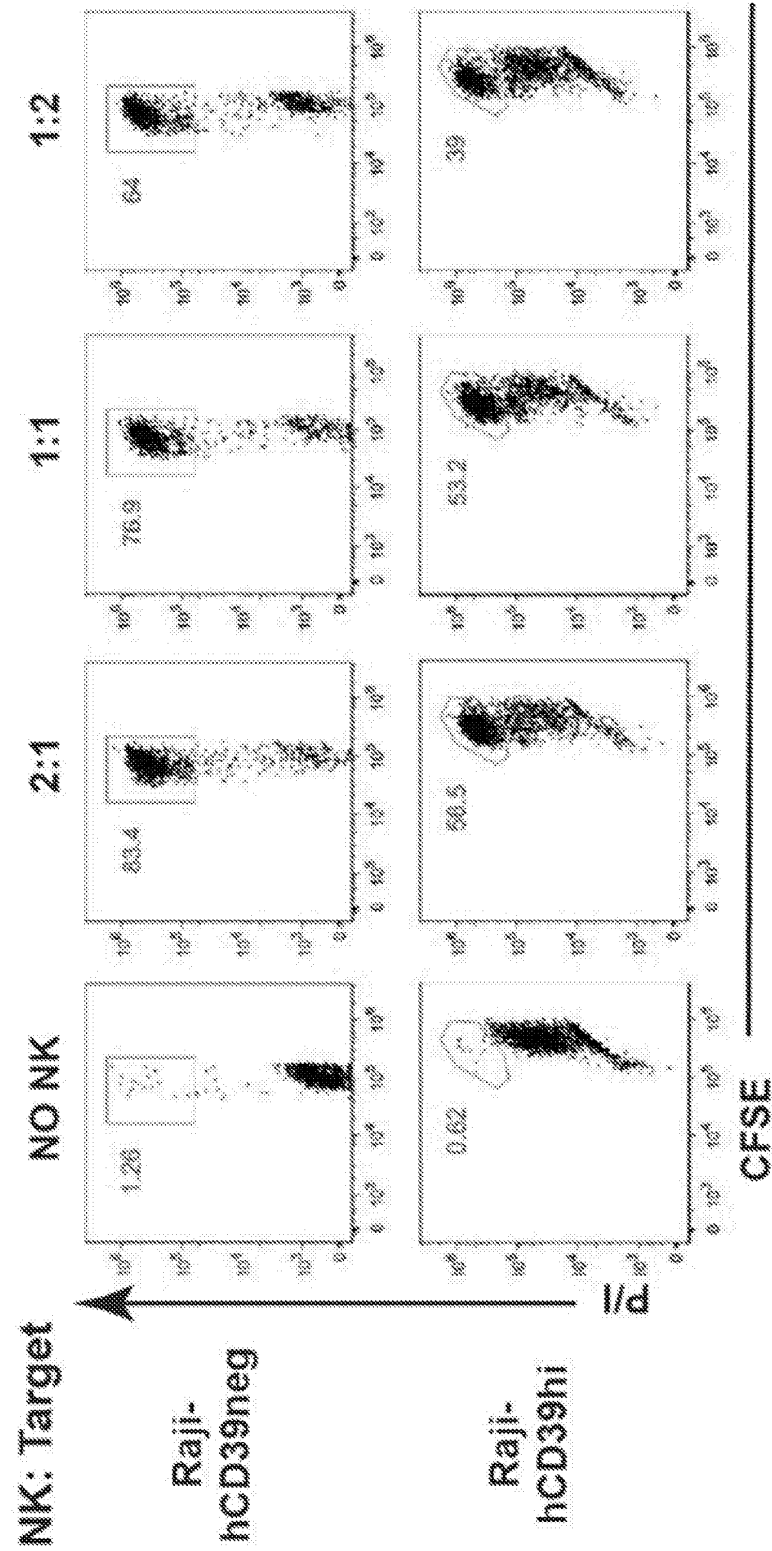
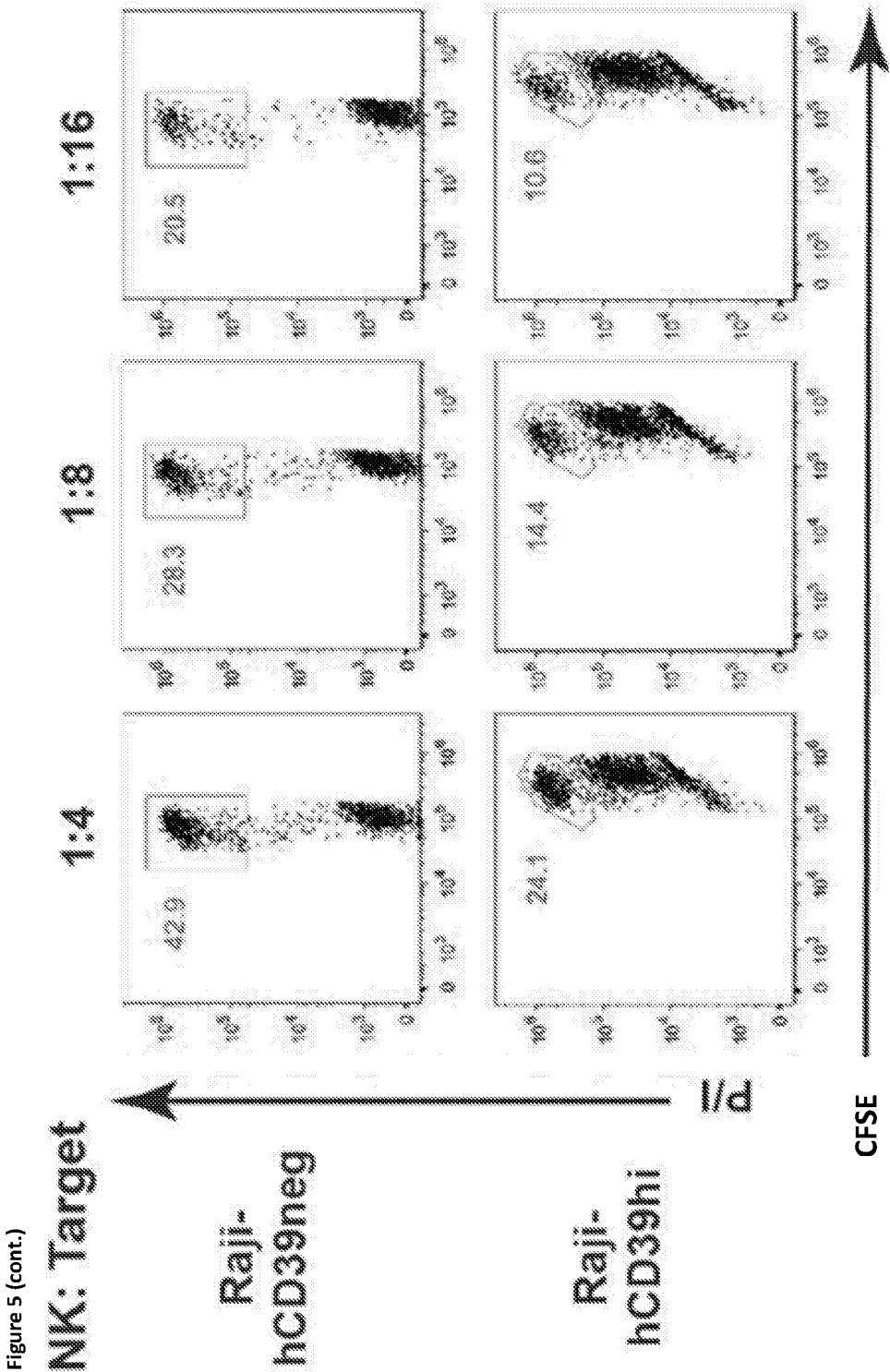
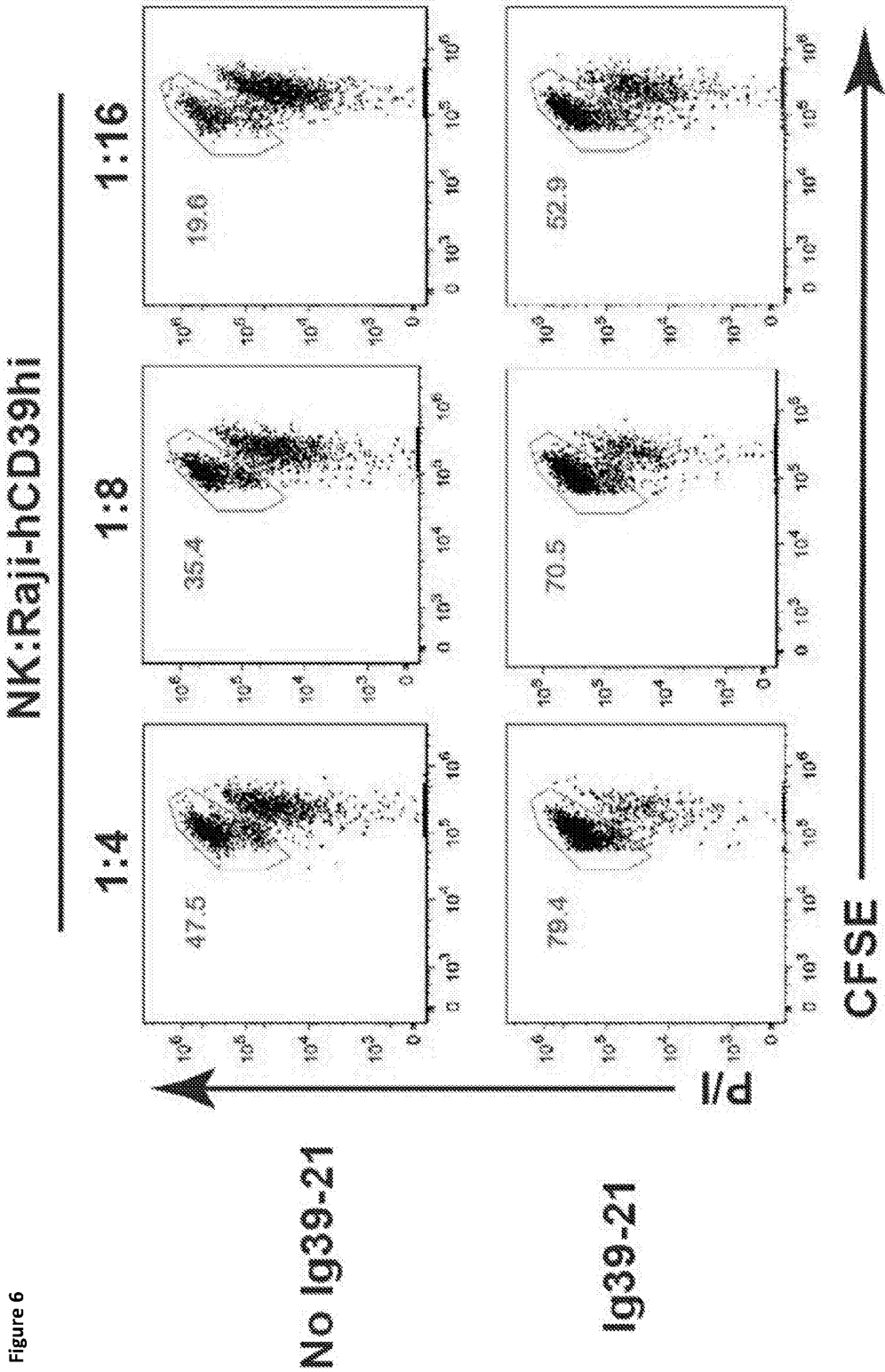
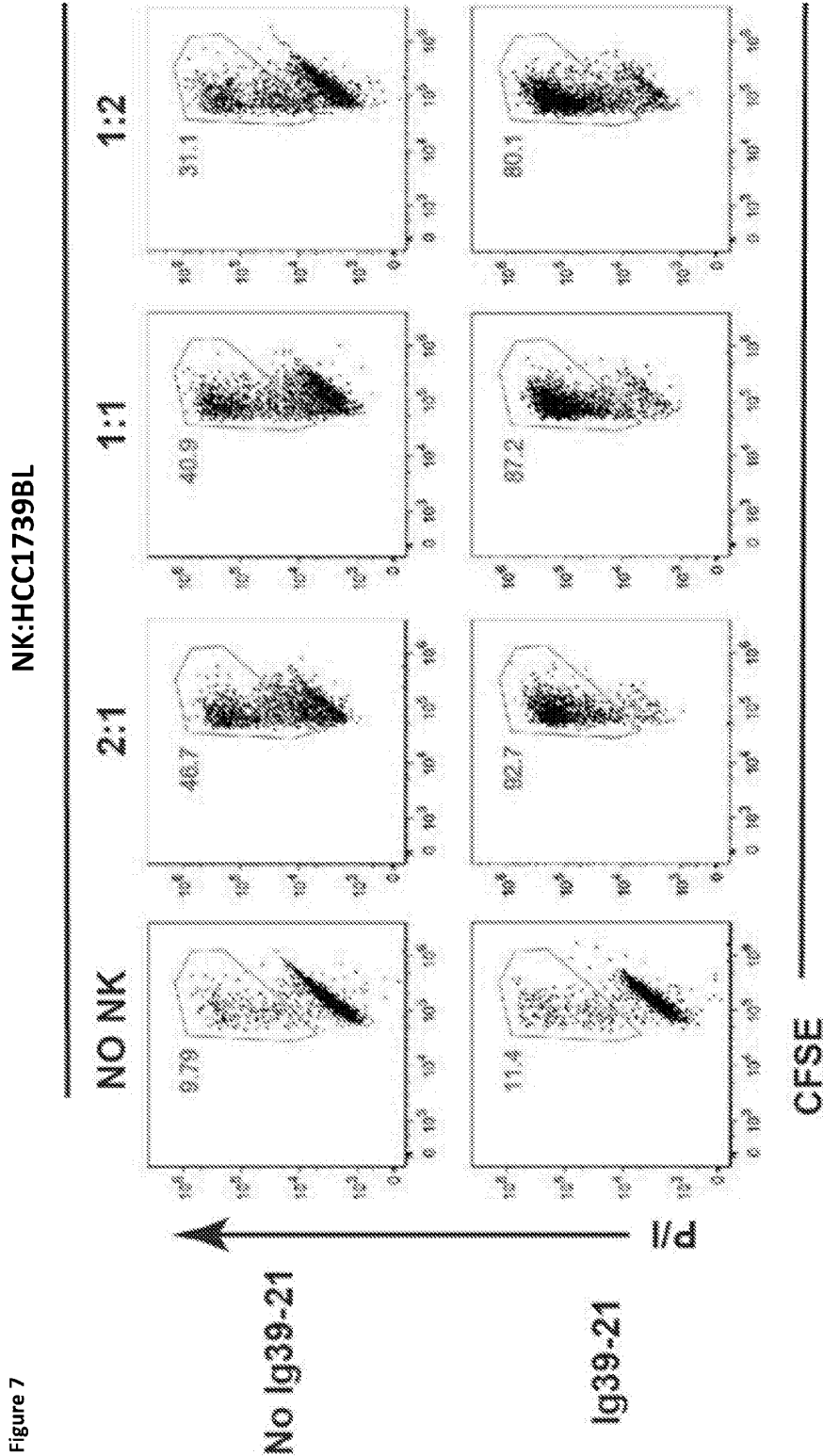


Figure 5









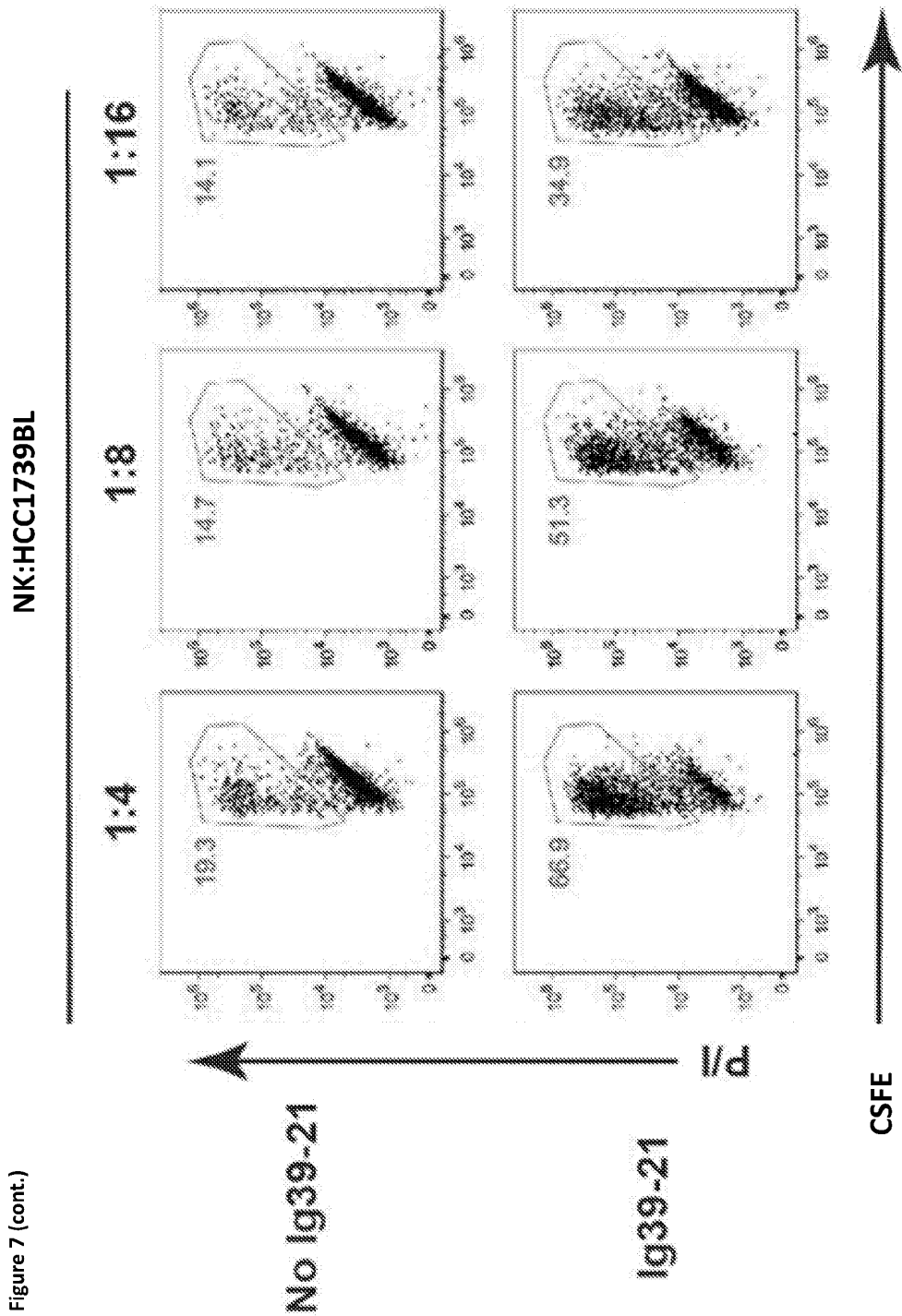
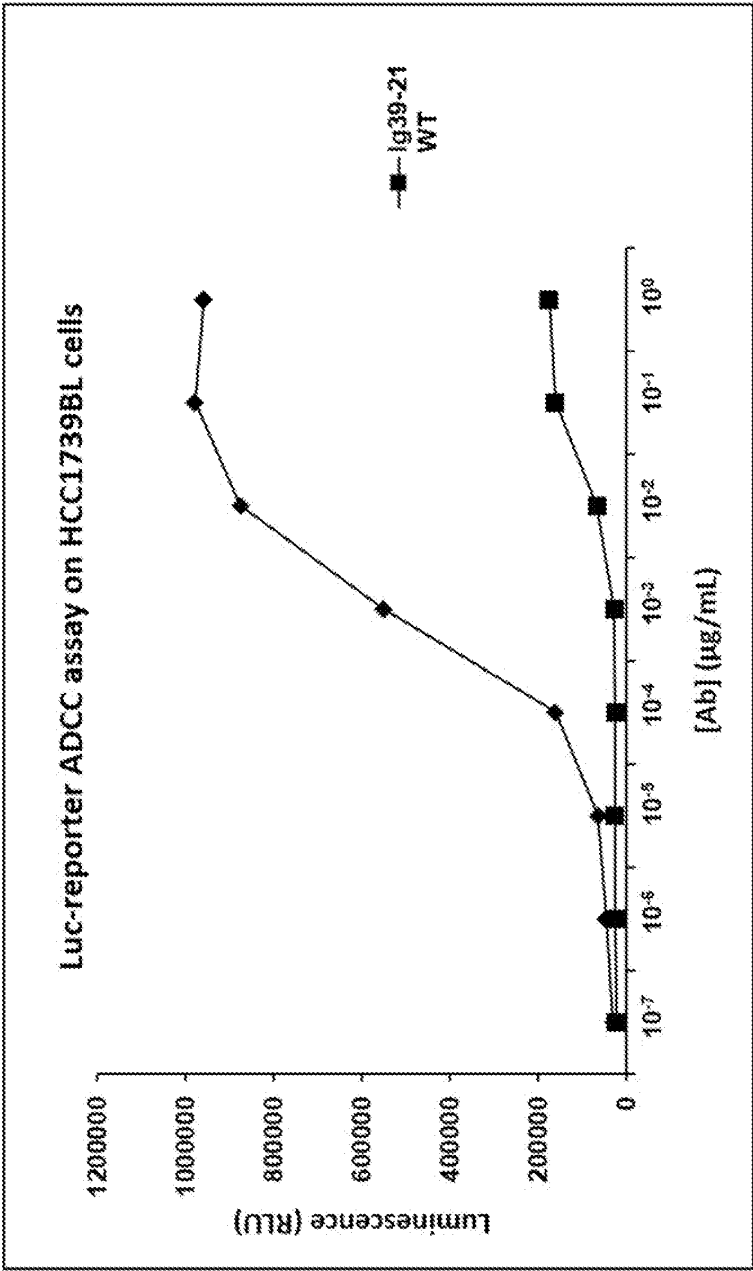
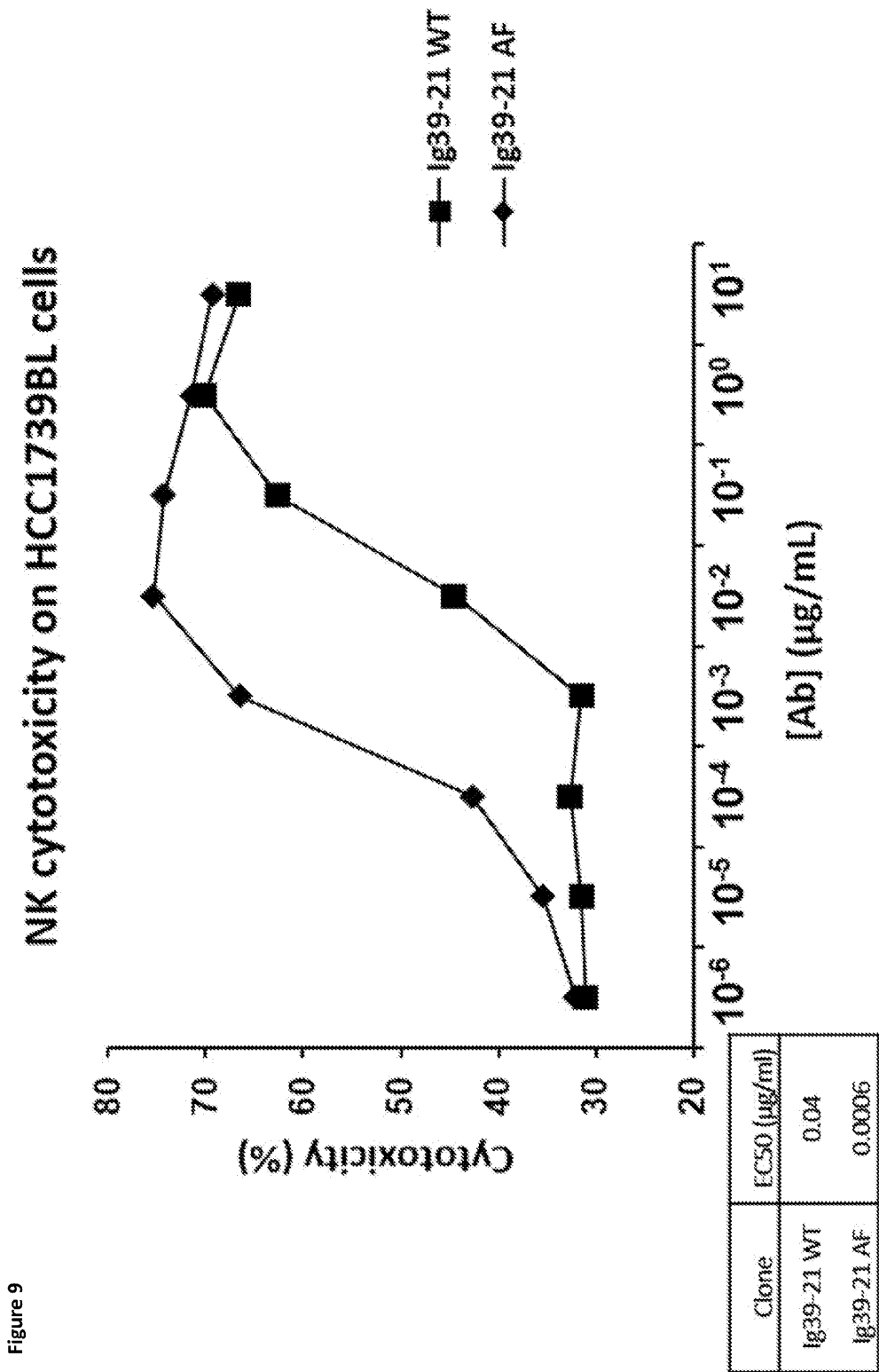
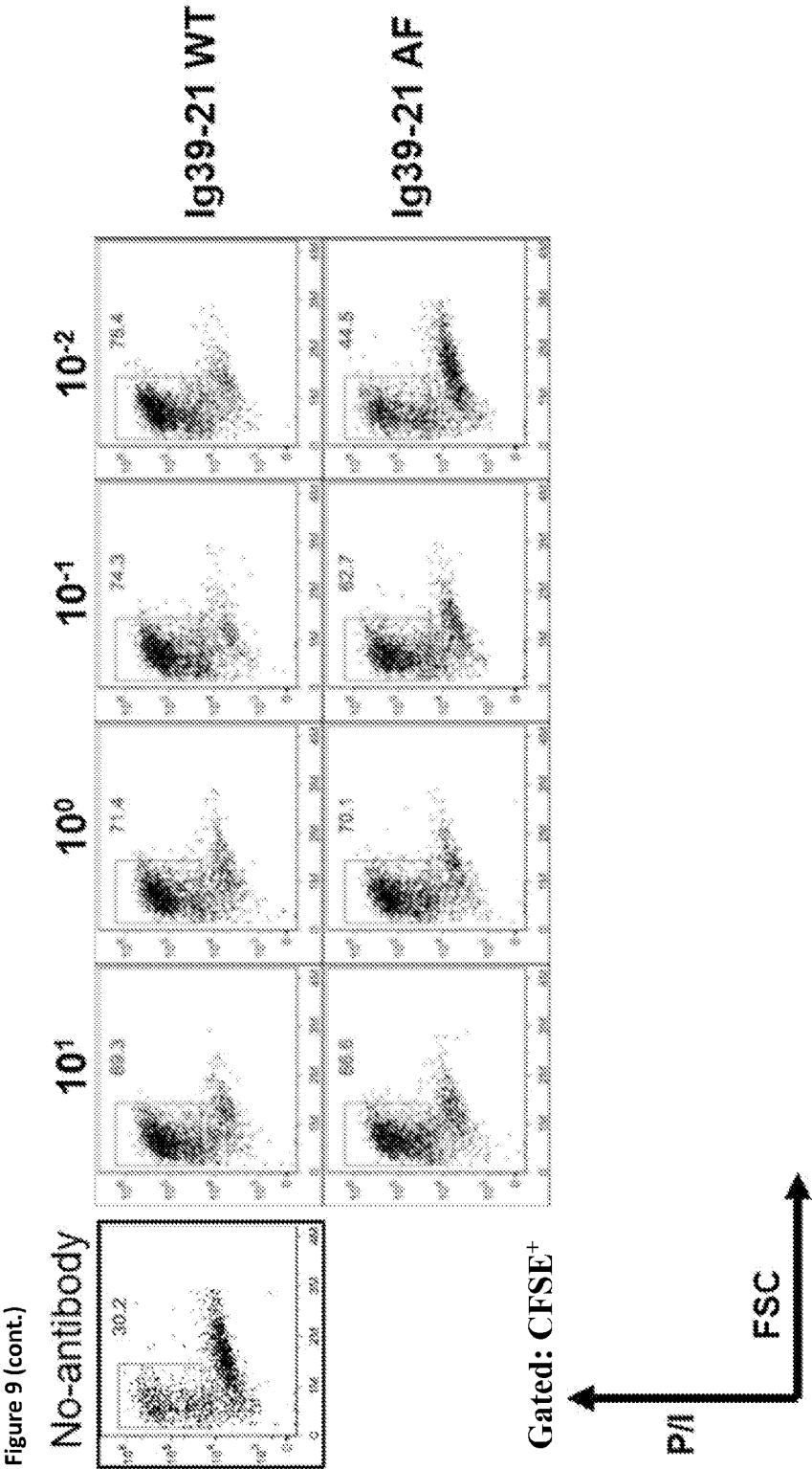


Figure 8



Clone	EC50 (µg/ml)
Ig39-21 WT	0.02
Ig39-21 AF	0.0008





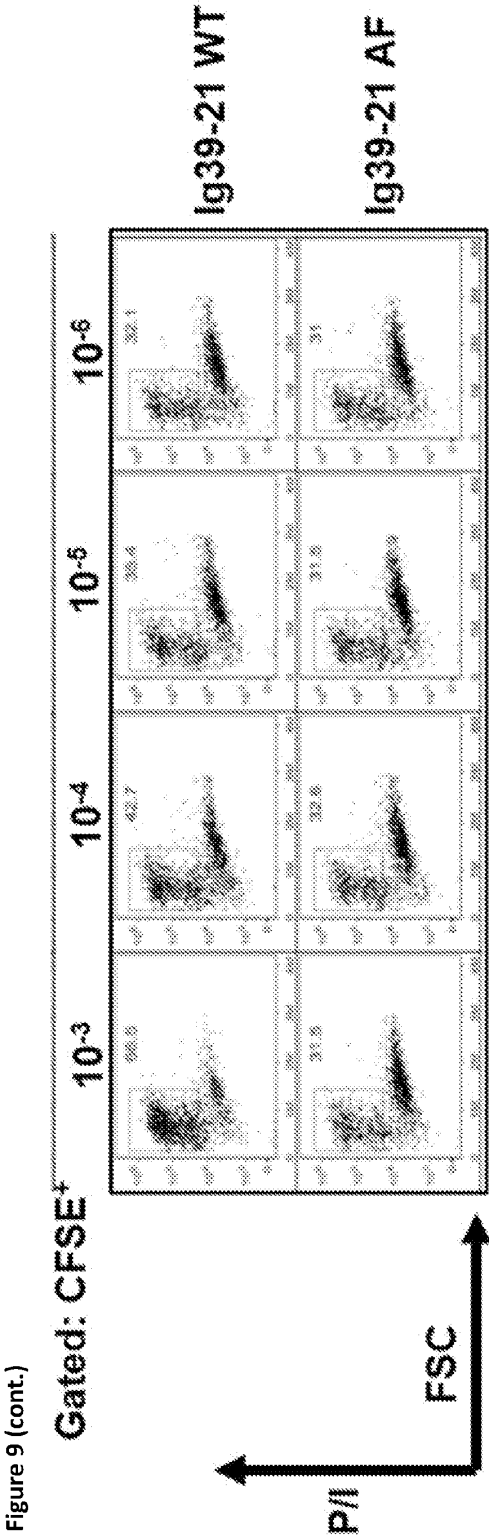
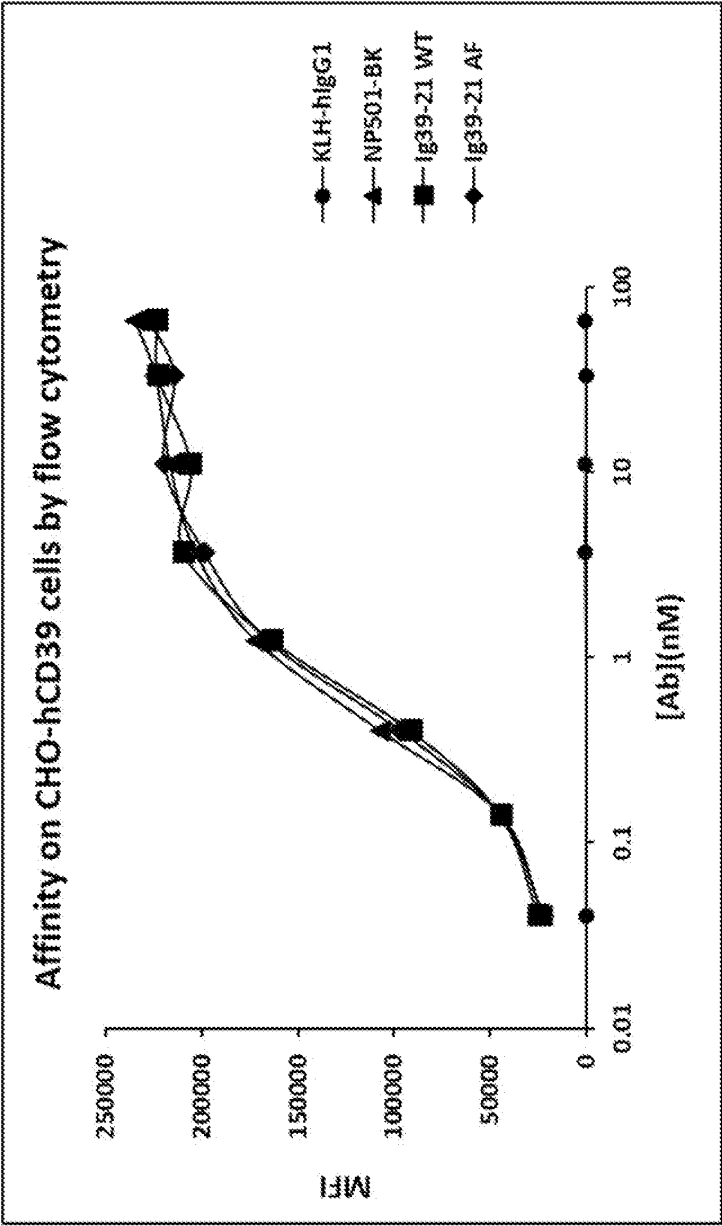
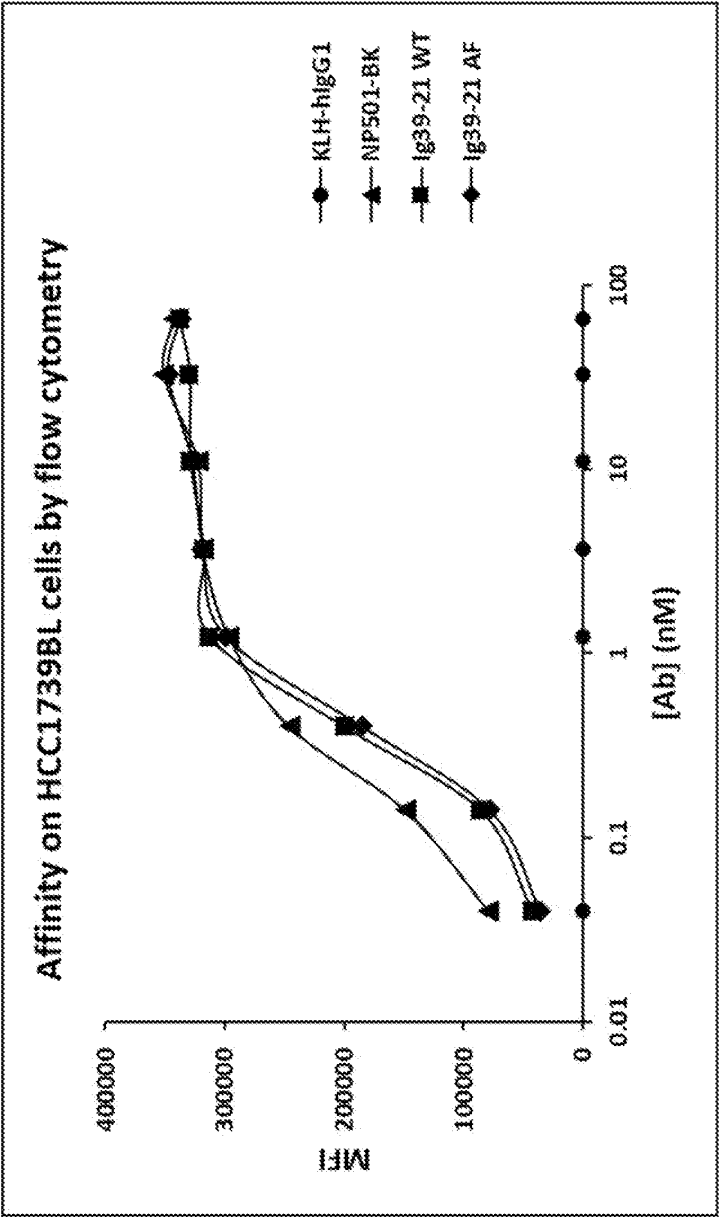


Figure 10



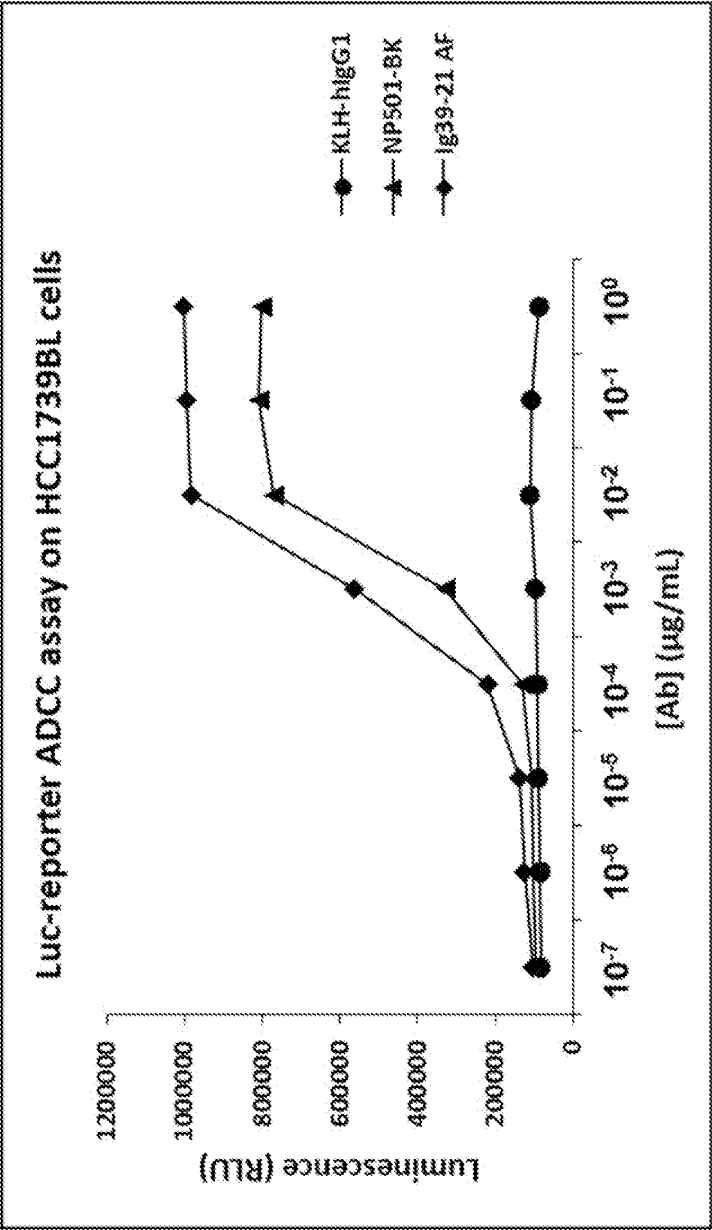
Clone	Kd (nM)
NP501-BK	0.48
Ig39-21 WT	0.52
Ig39-21 AF	0.51

Figure 11

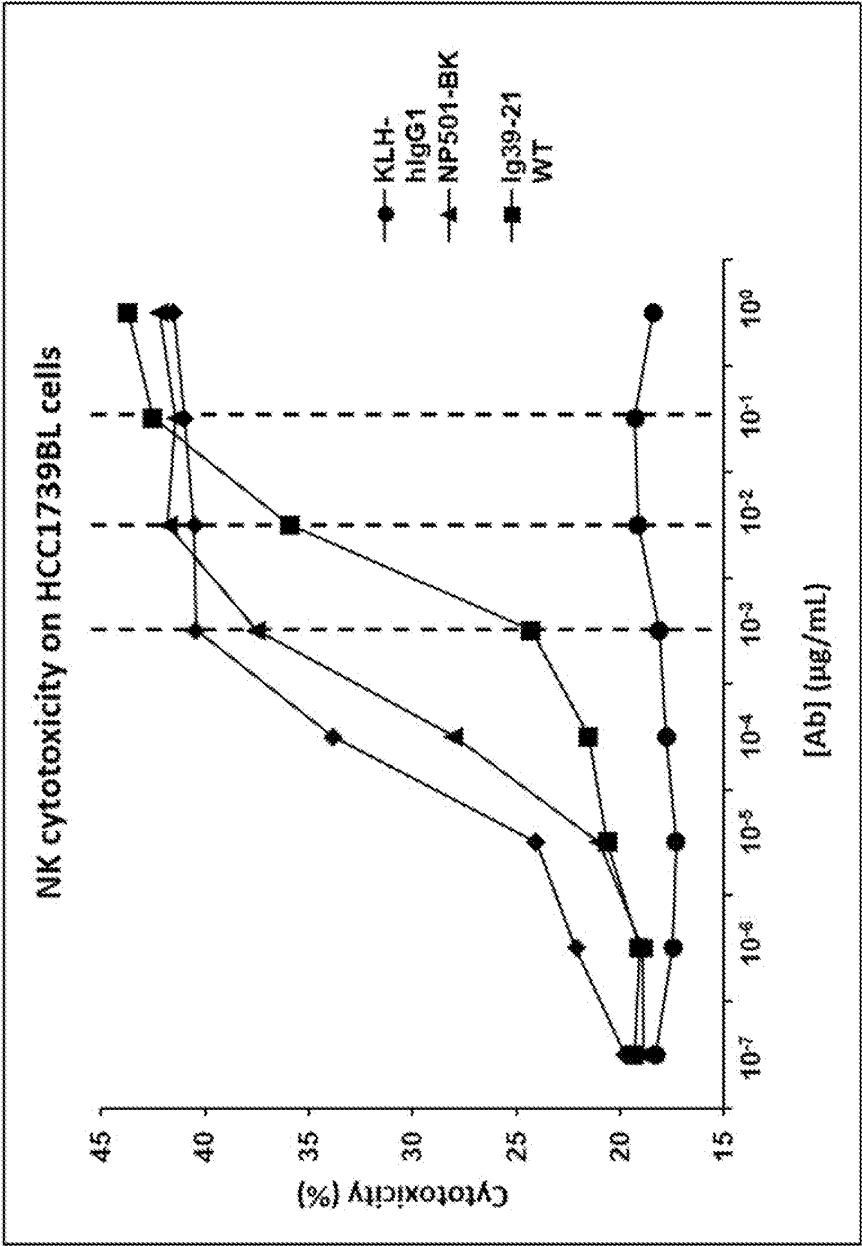


Clone	Kd (nM)
NP501-BK	0.16
Ig39-21 WT	0.29
Ig39-21 AF	0.35

Figure 12



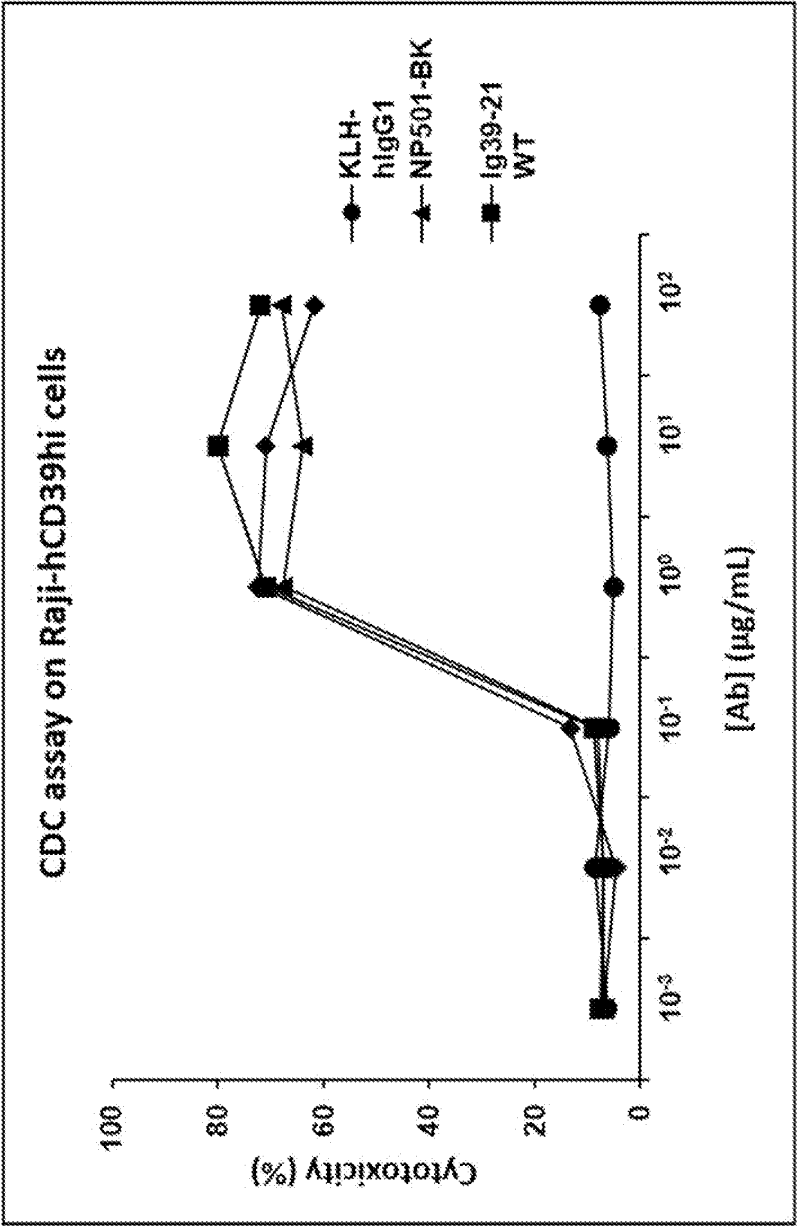
Clone	EC50 (µg/ml)
NP501-BK	0.0017
Ig39-21 AF	0.00086



Clone	EC50 (µg/ml)
NP501-BK	1.58E-04
Ig39-21 WT	4.22E-03
Ig39-21 AF	4.75E-05

Figure 13

Figure 14



Clone	EC50 (µg/mL)
NP501-BK	0.31
Ig39-21 WT	0.38
Ig39-21 AF	0.25

Figure 15

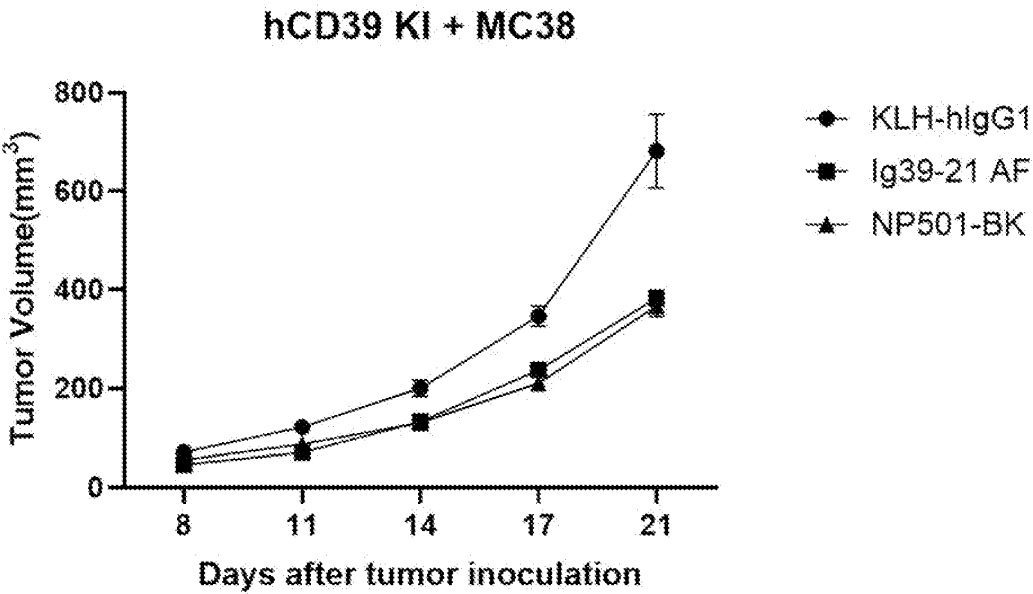


Figure 16

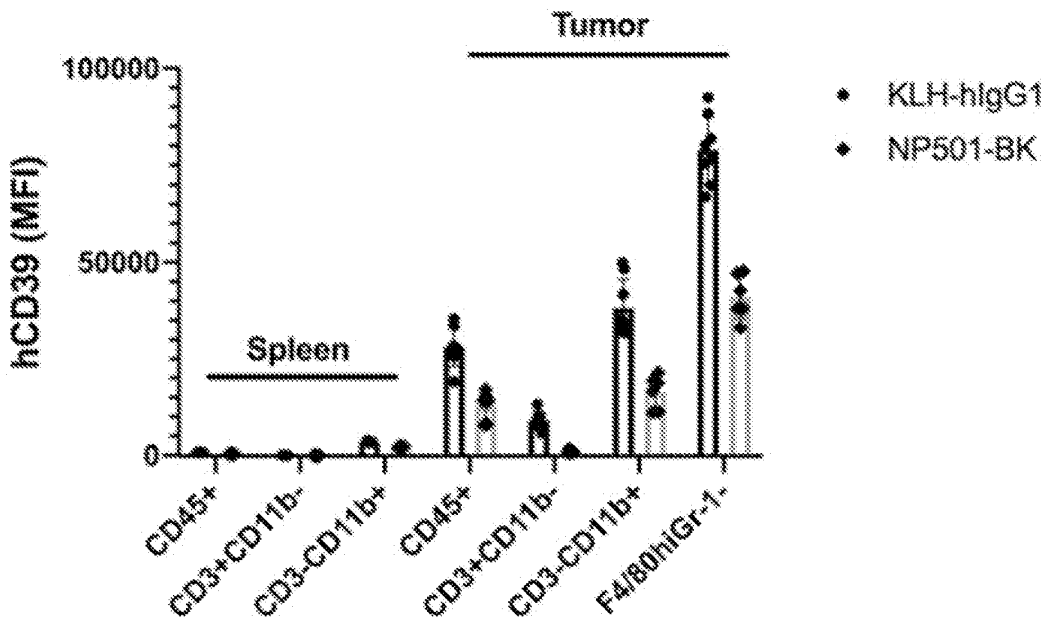


Figure 17

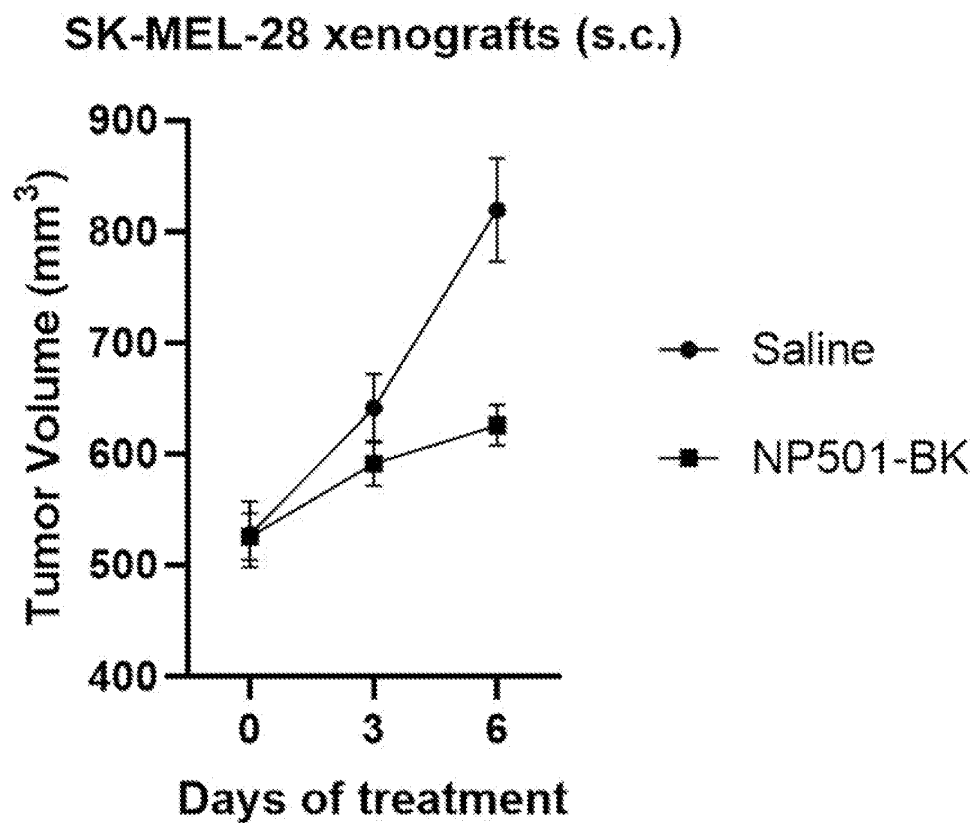


Figure 18

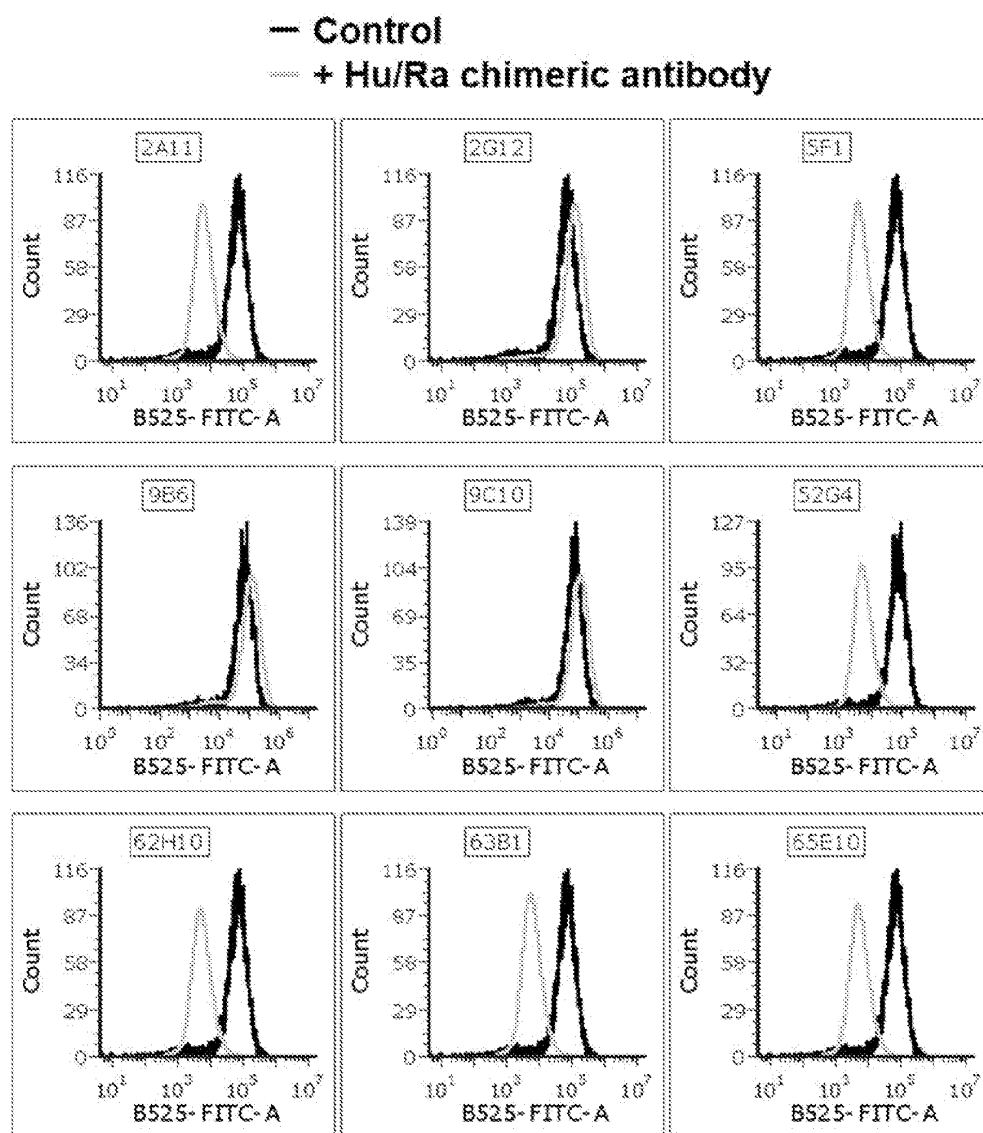


Figure 18 (cont.)

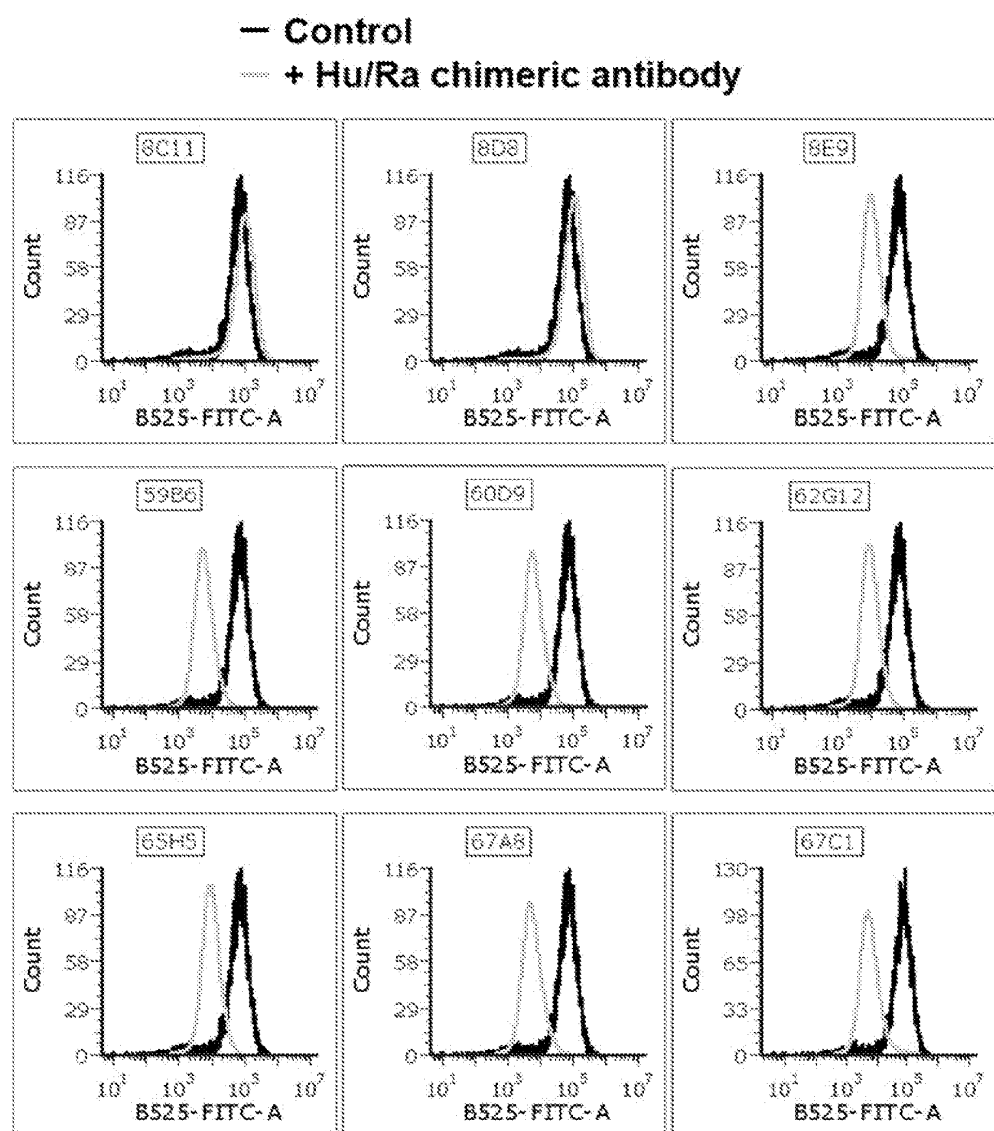


Figure 19

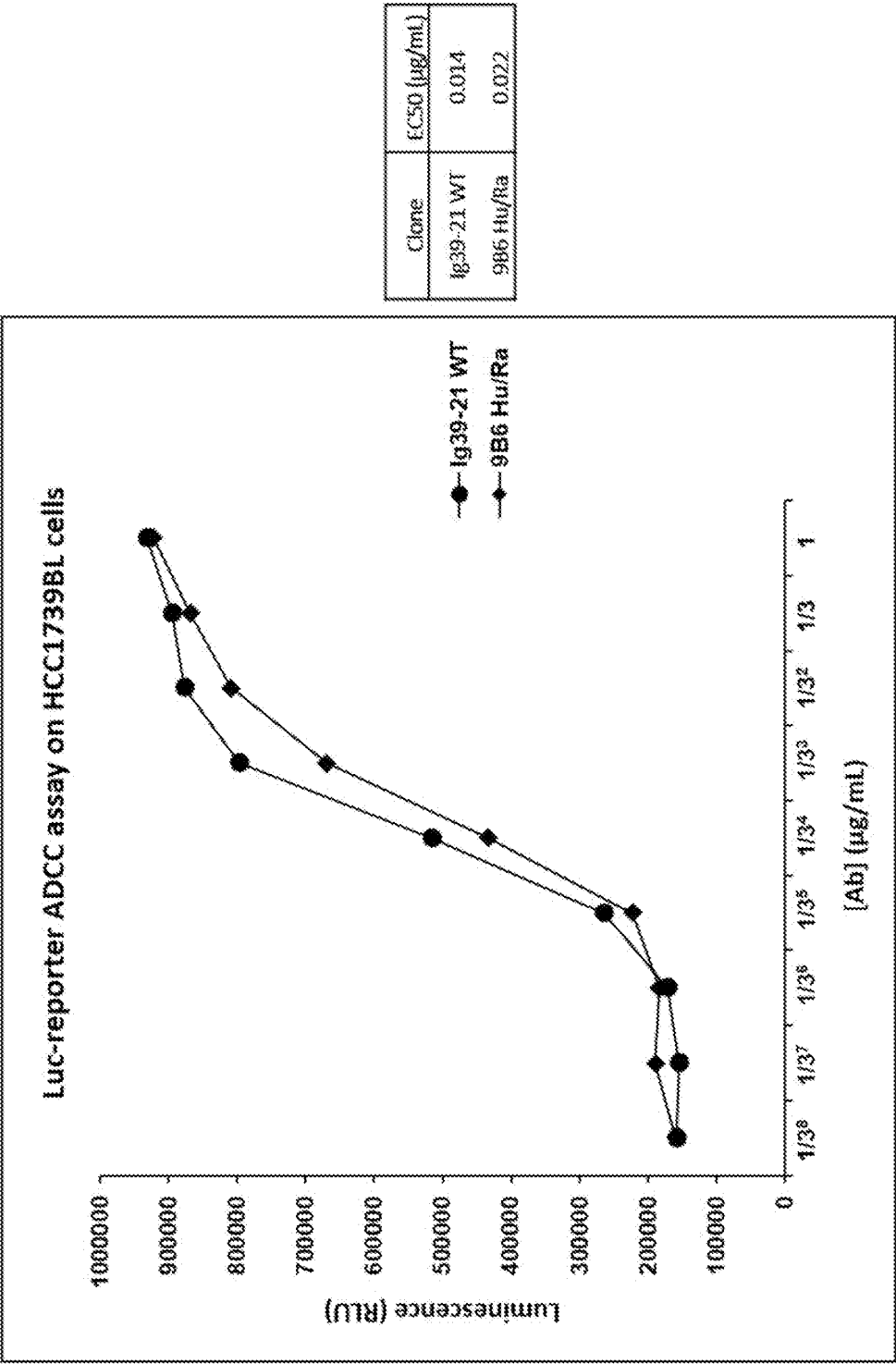


Figure 20

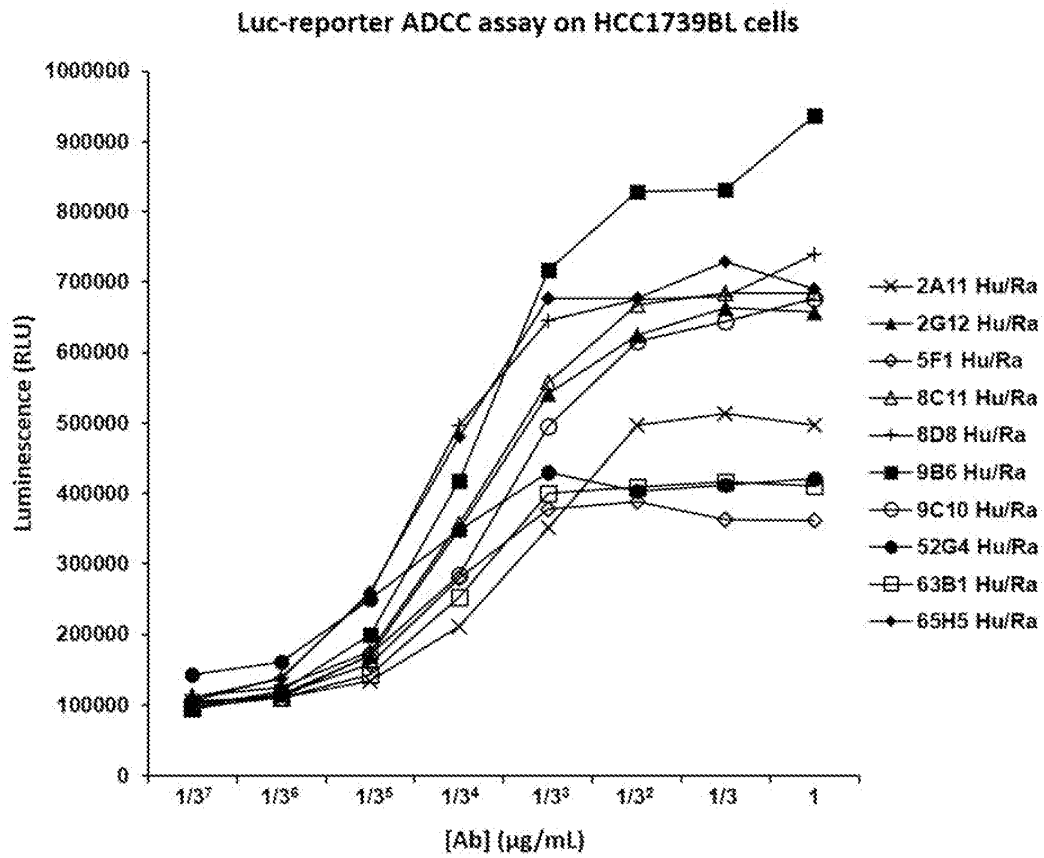


Figure 21

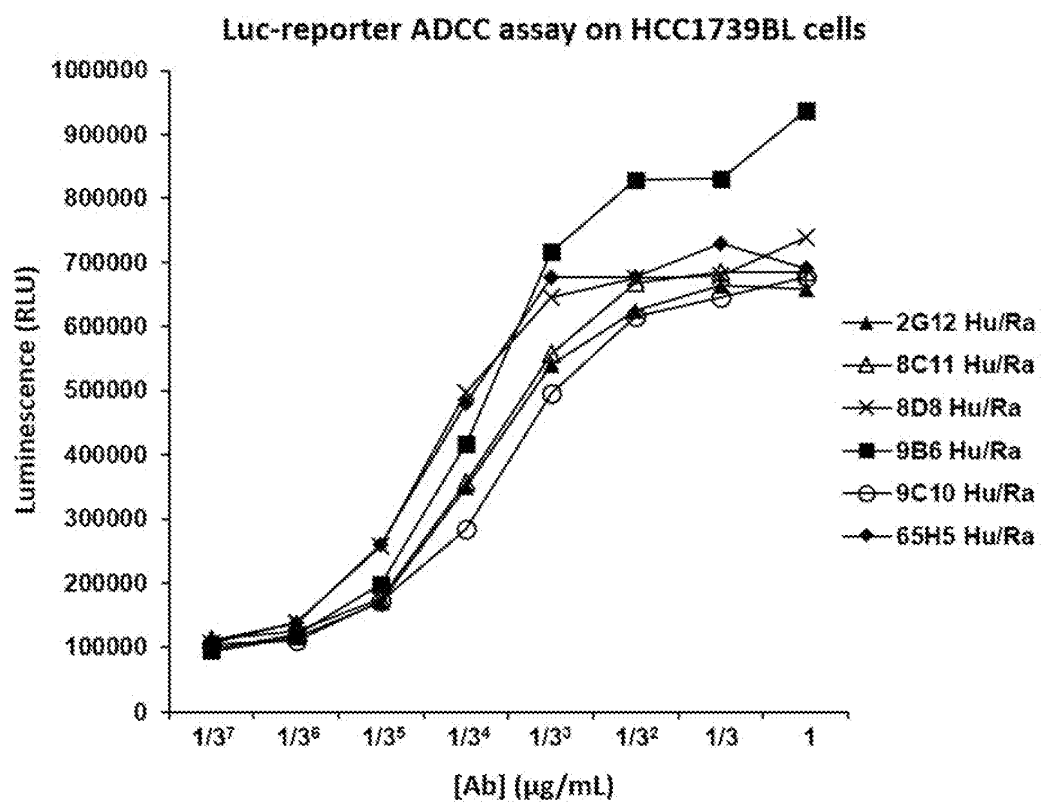


Figure 22

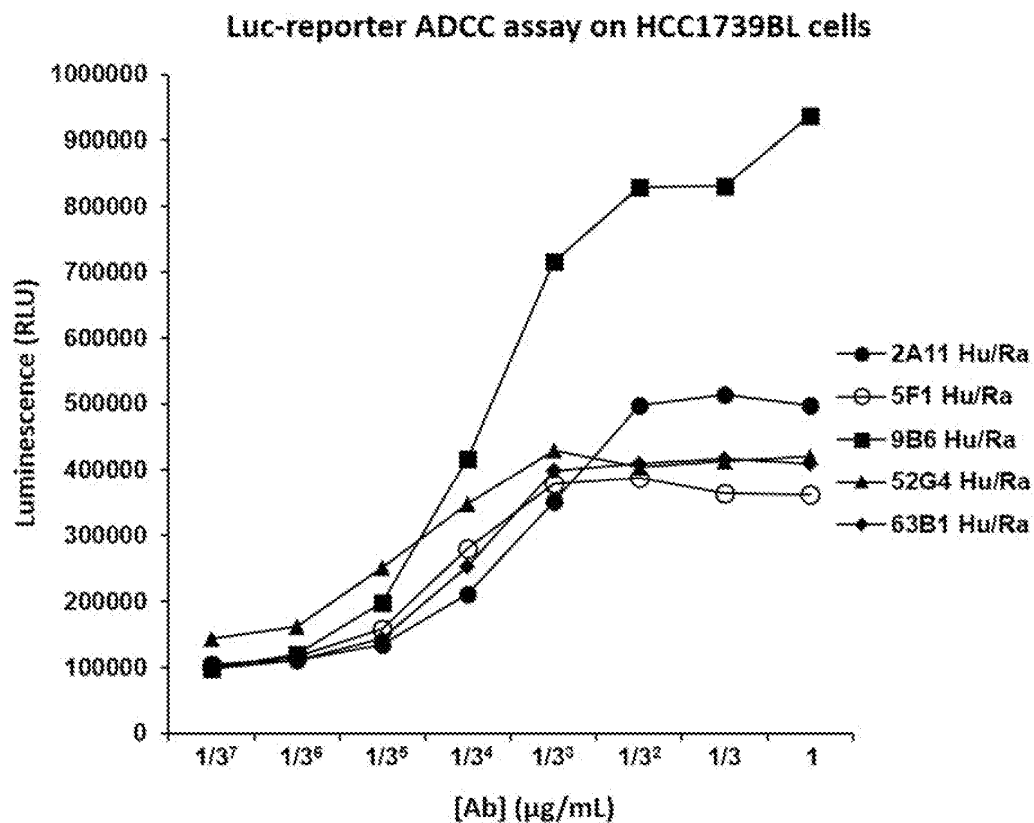


Figure 23

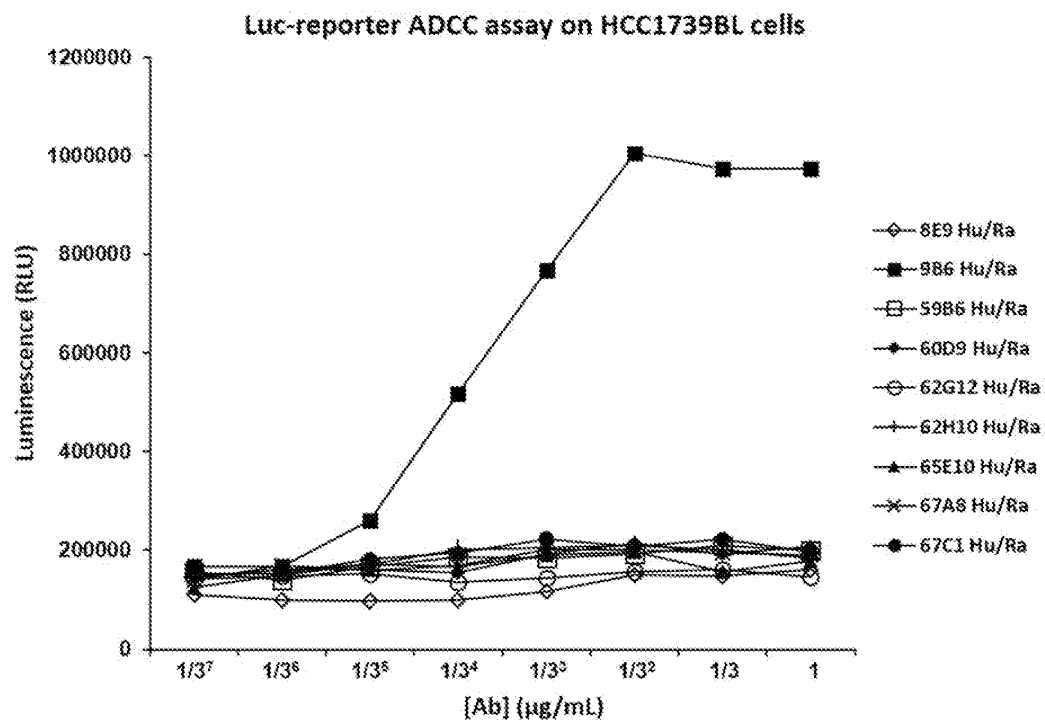


Figure 24

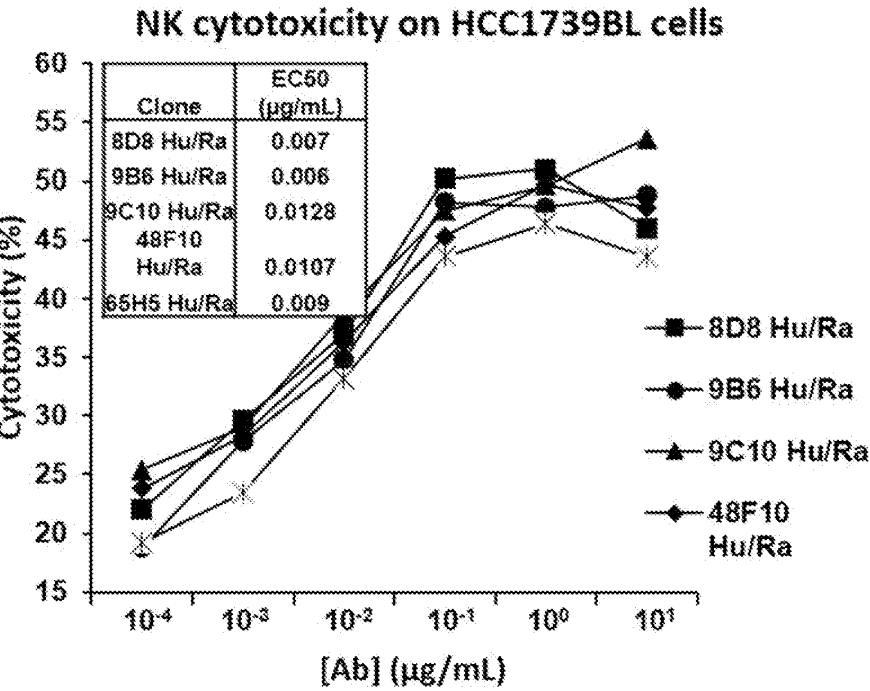
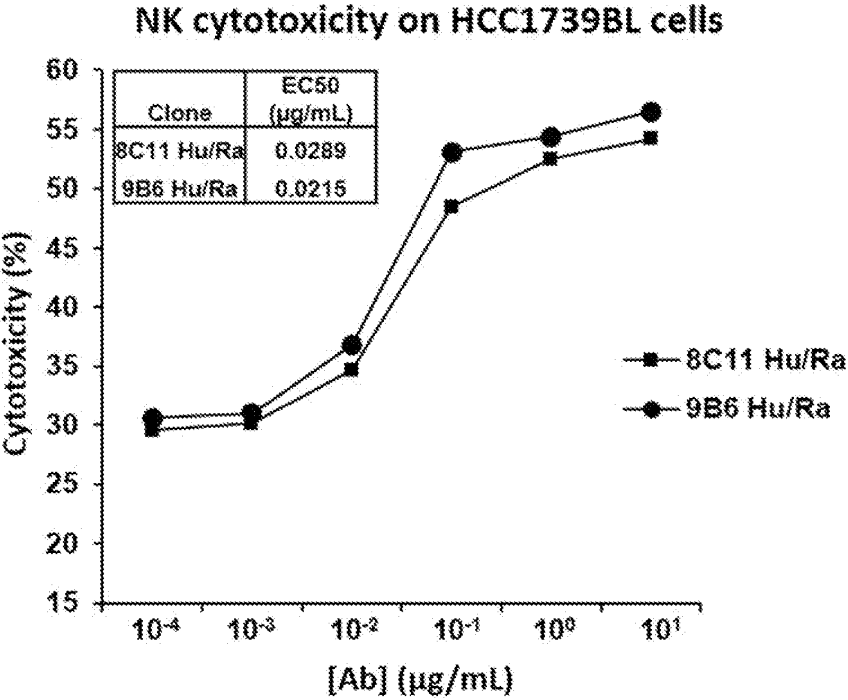


Figure 24 (cont.)

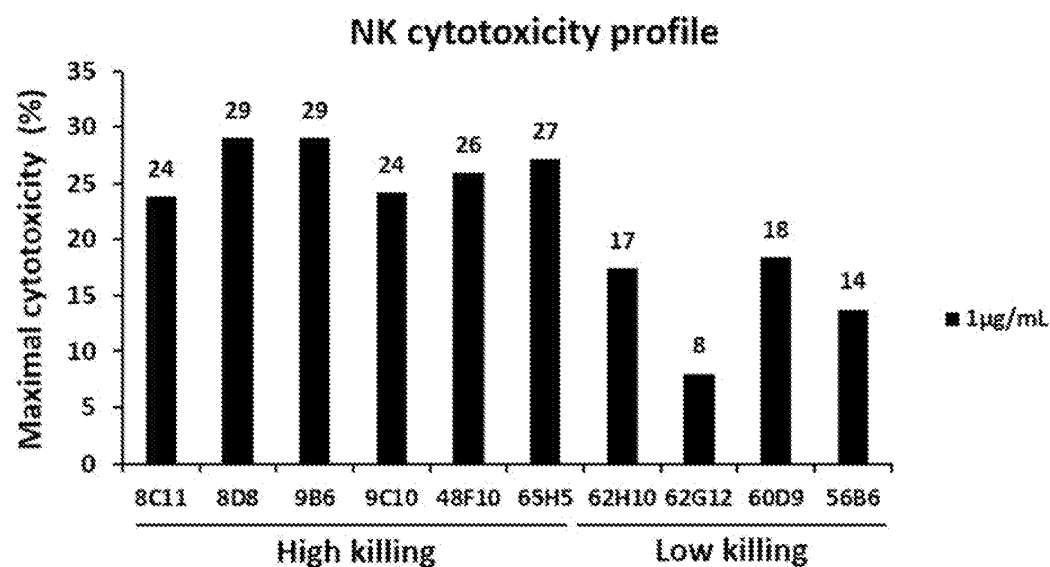
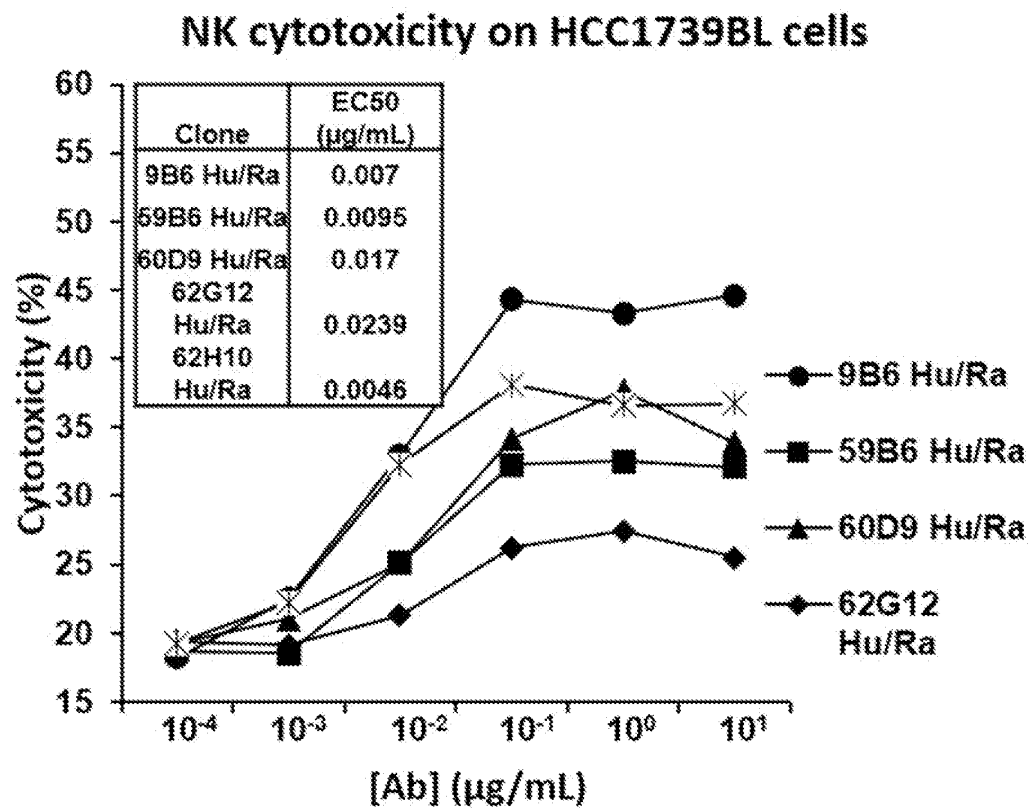


Figure 25

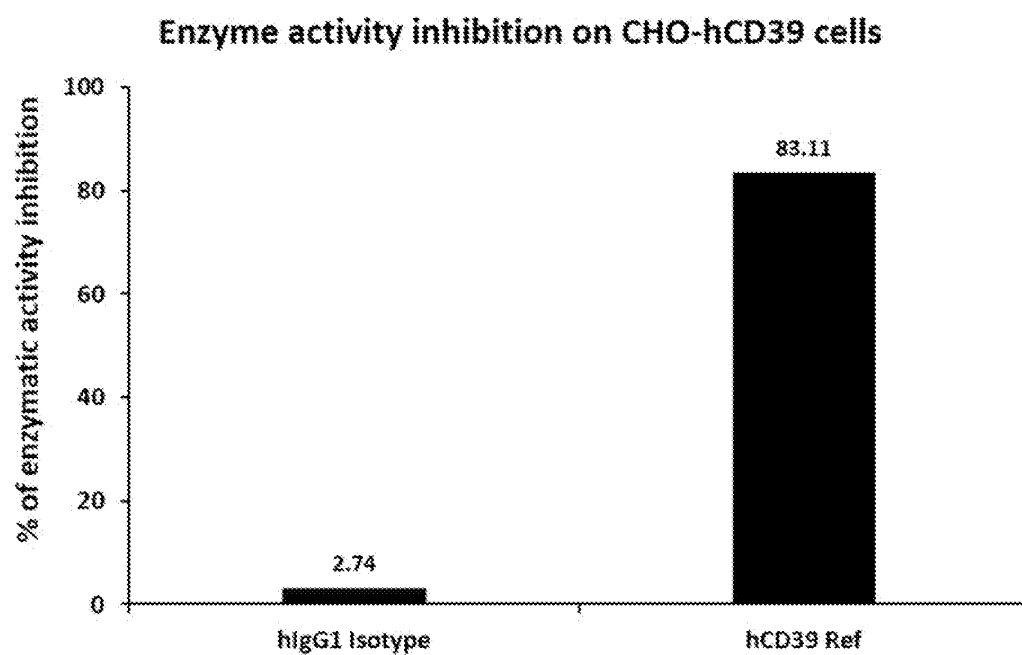
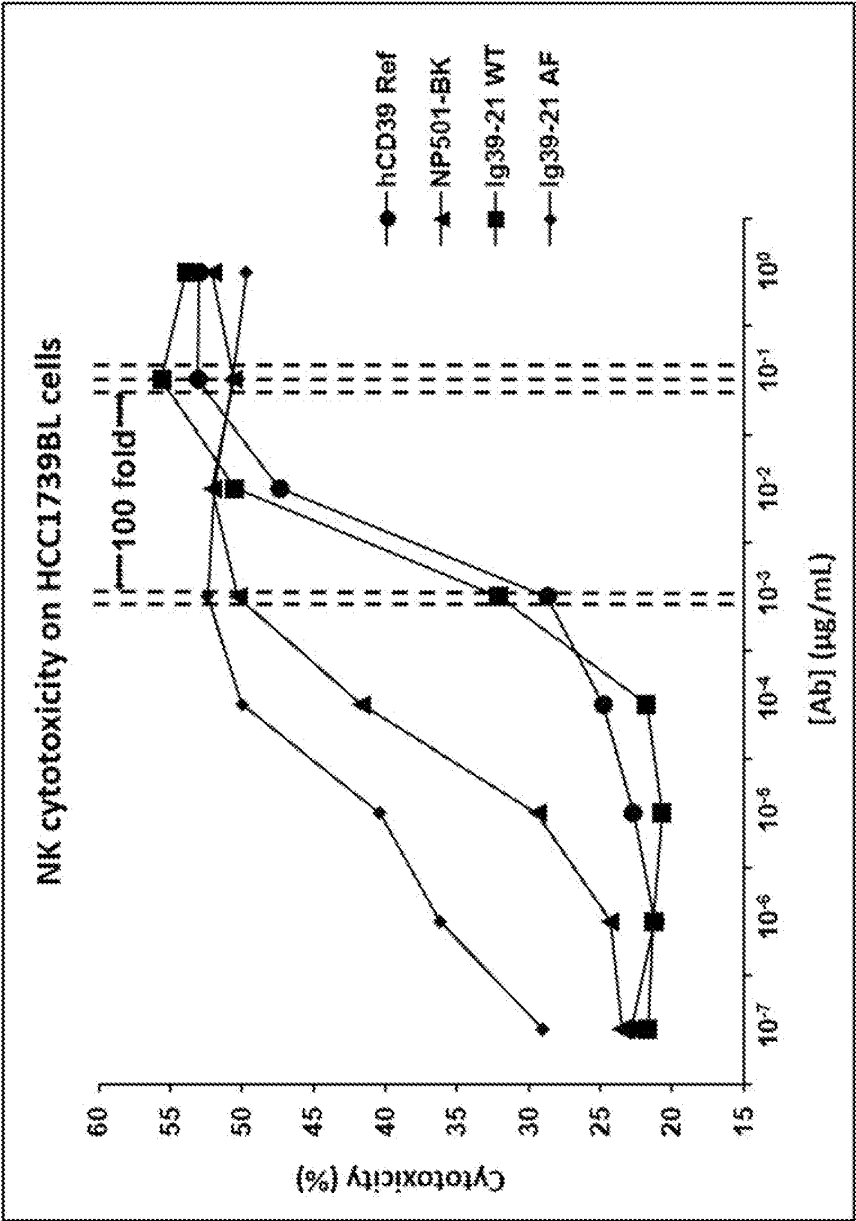


Figure 26



Clone	EC50 (µg/mL)
hCD39 Ref	2.62E-03
NP501-BK	5.14E-05
Ig39-21 WT	1.98E-03
Ig39-21 AF	7.94E-06

Figure 27

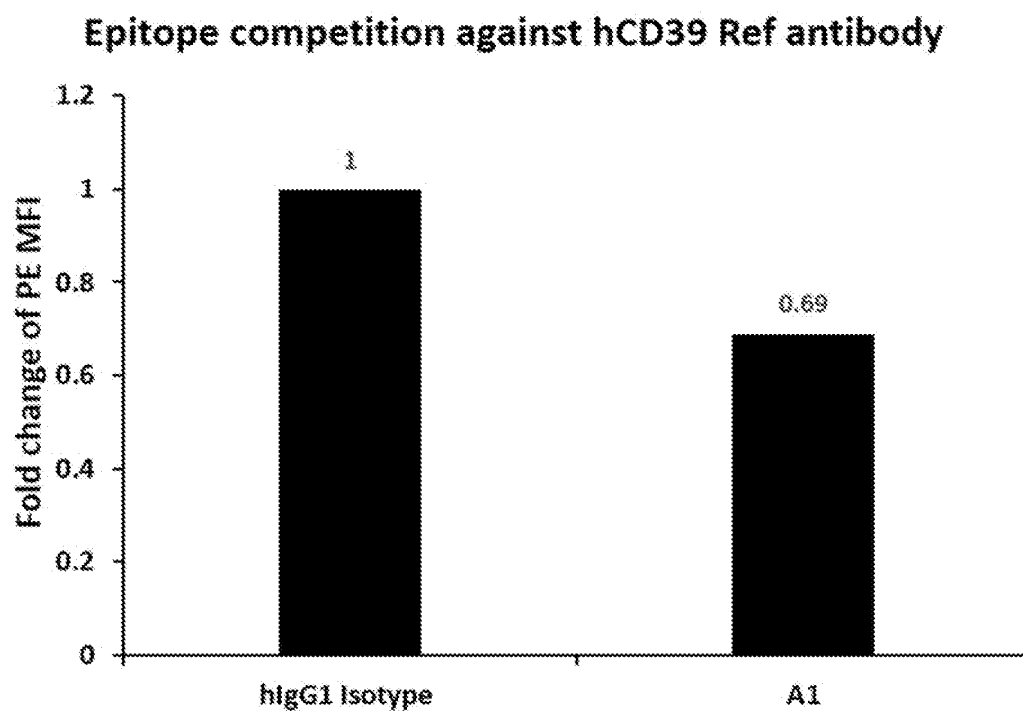
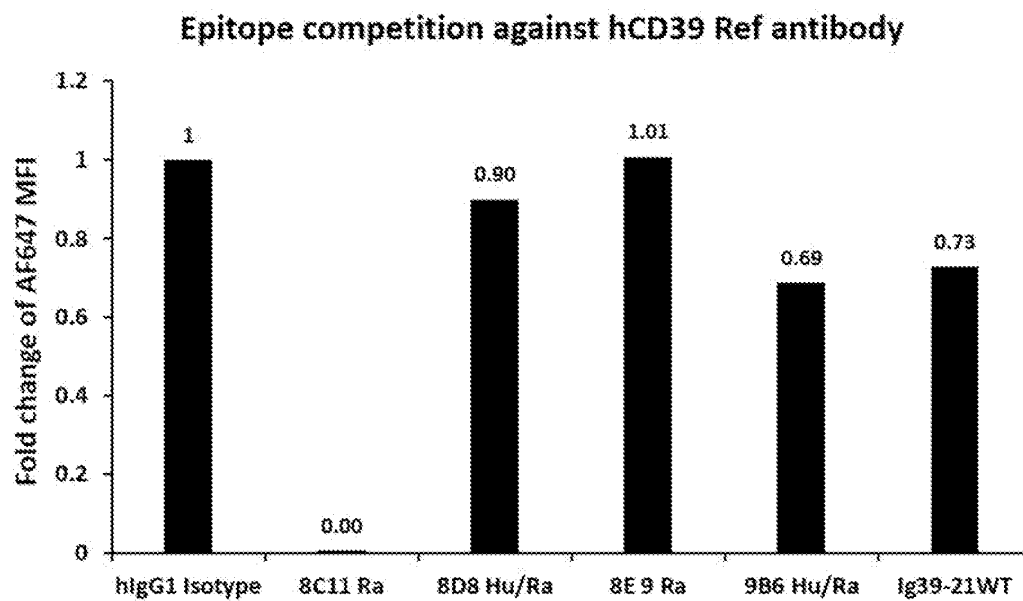


Figure 28

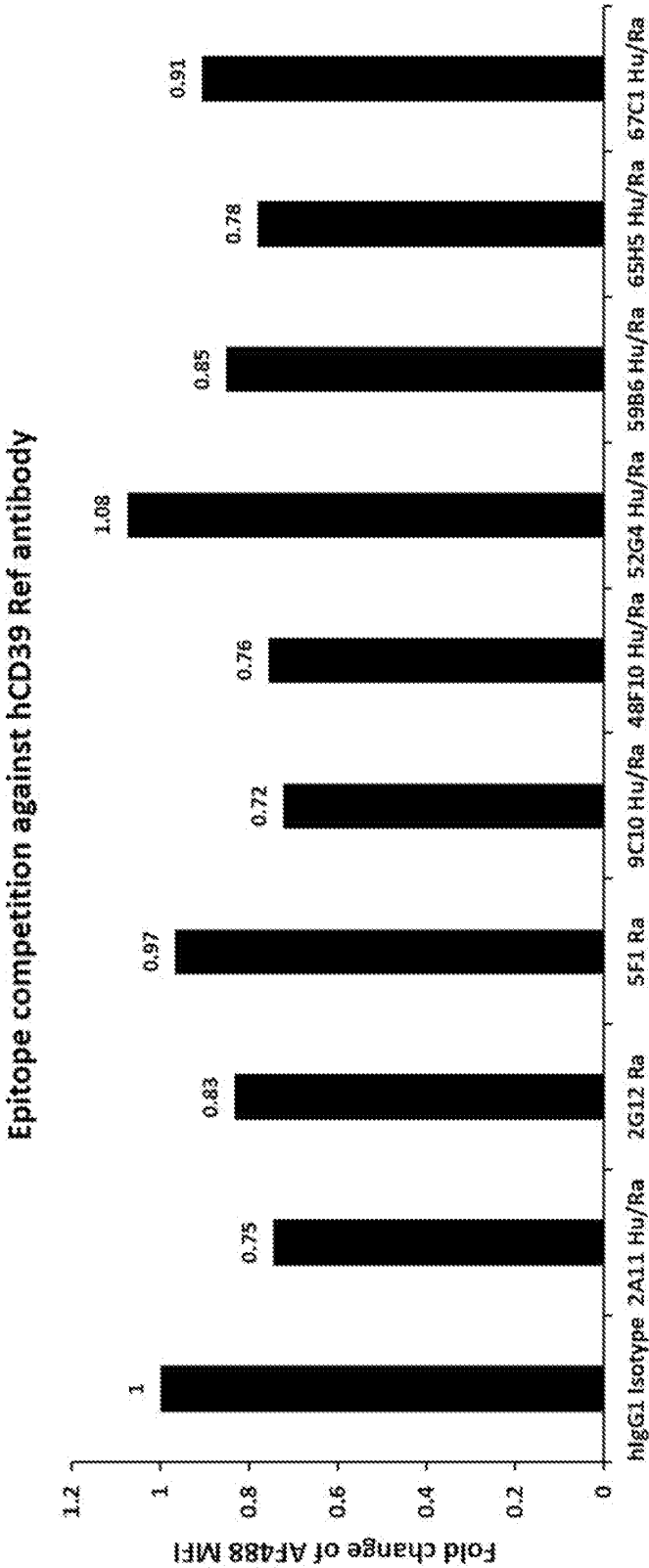


Figure 29

Stable immune complex on HCC1739BL cells

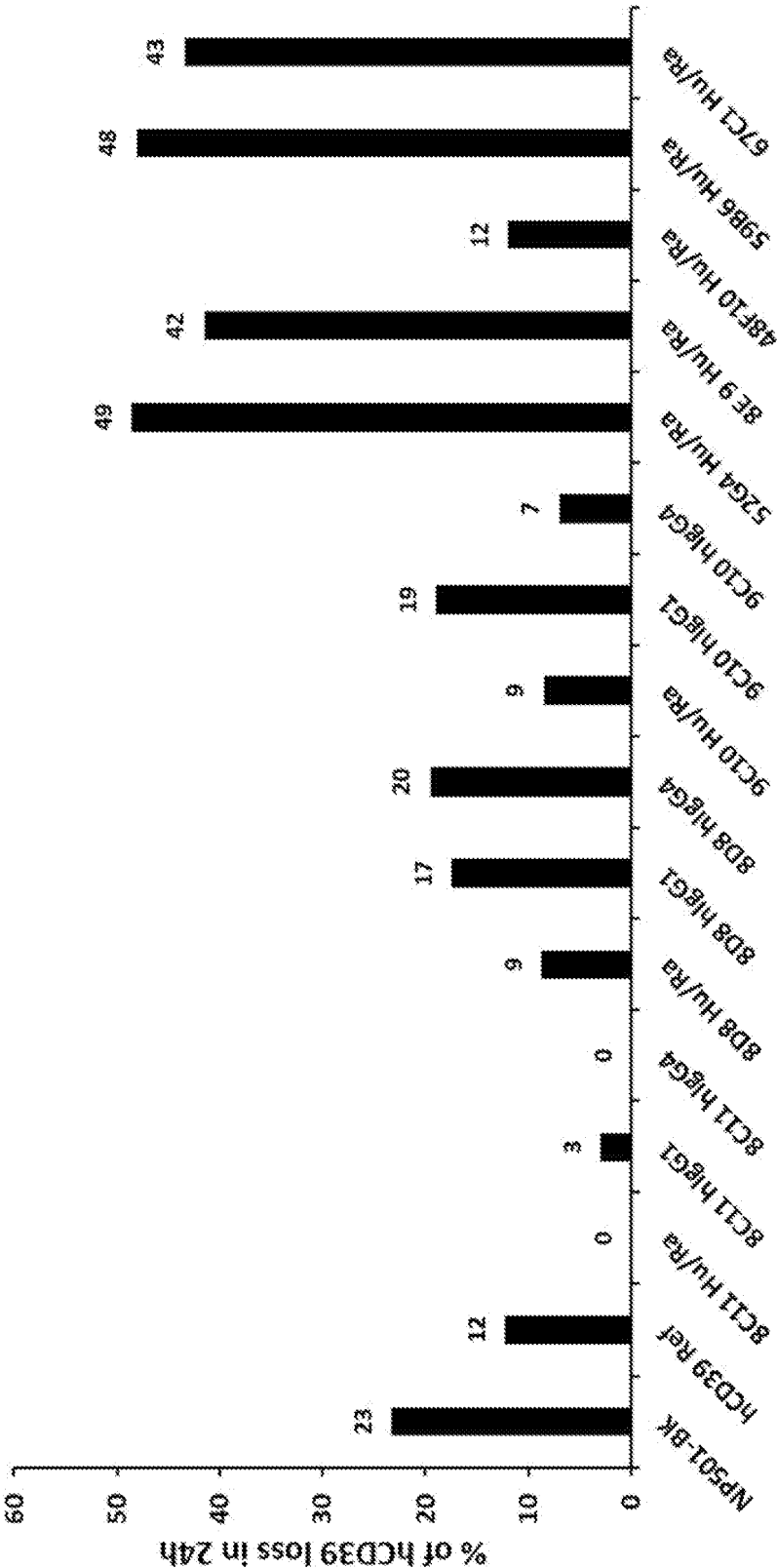
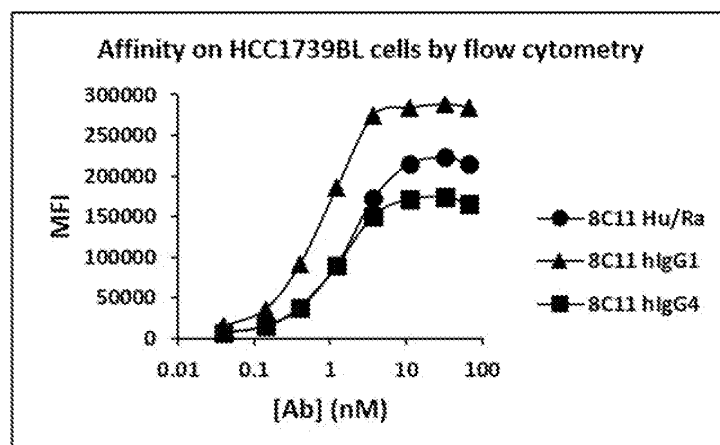
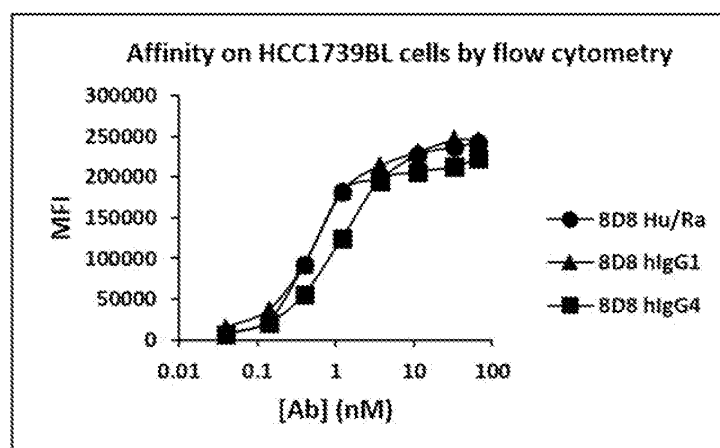


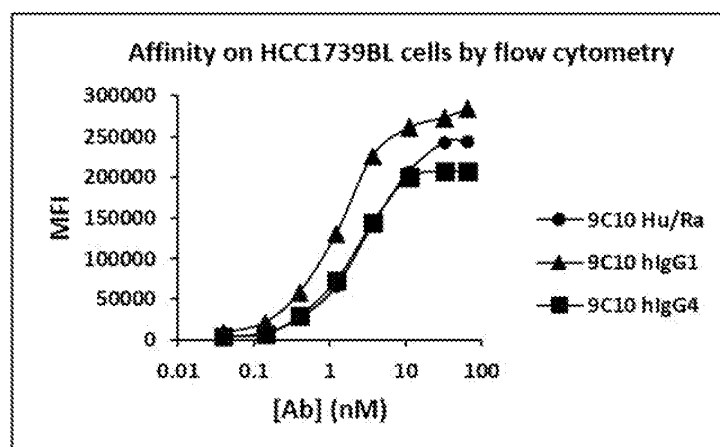
Figure 30



Clone	Kd (nM)
8C11 Hu/Ra	1.68
8C11 hlgG1	0.78
8C11 hlgG4	1.15

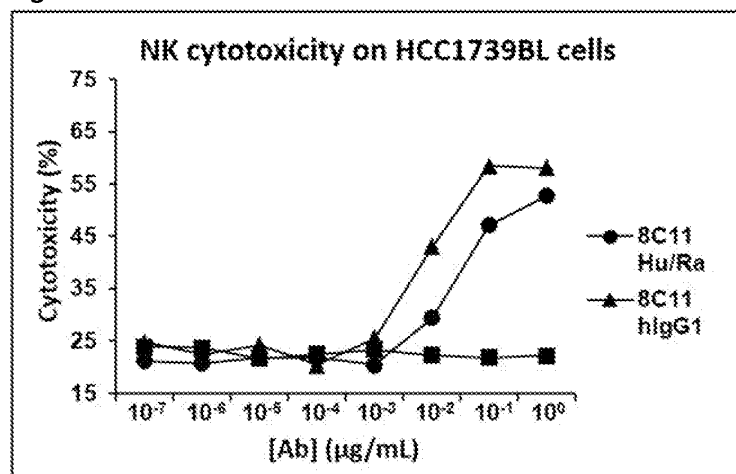


Clone	Kd (nM)
8D8 Hu/Ra	1.10
8D8 hlgG1	0.61
8D8 hlgG4	1.01

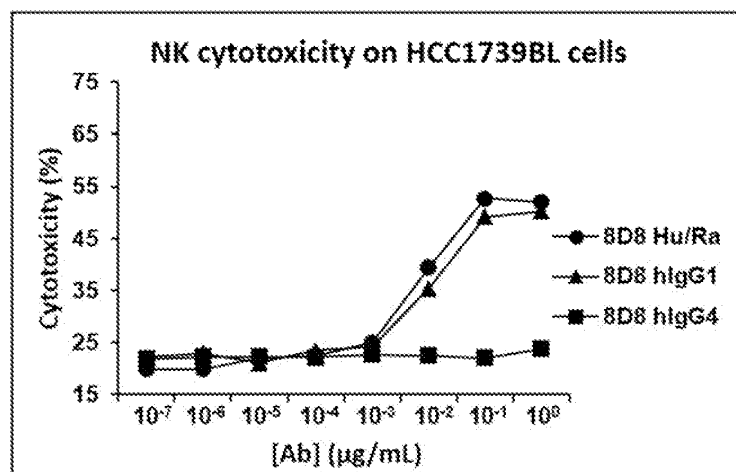


Clone	Kd (nM)
9C10 Hu/Ra	2.95
9C10 hlgG1	1.63
9C10 hlgG4	1.91

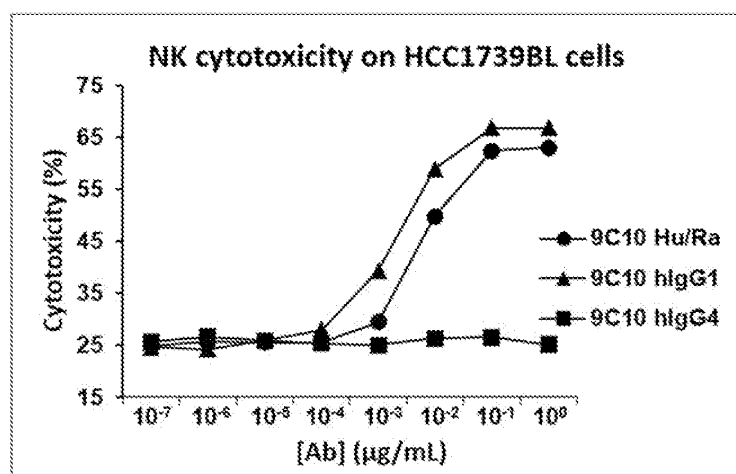
Figure 31



Clone	EC50 (μg/mL)
8C11 Hu/Ra	0.0245
8C11 hlgG1	0.00651
8C11 hlgG4	-----

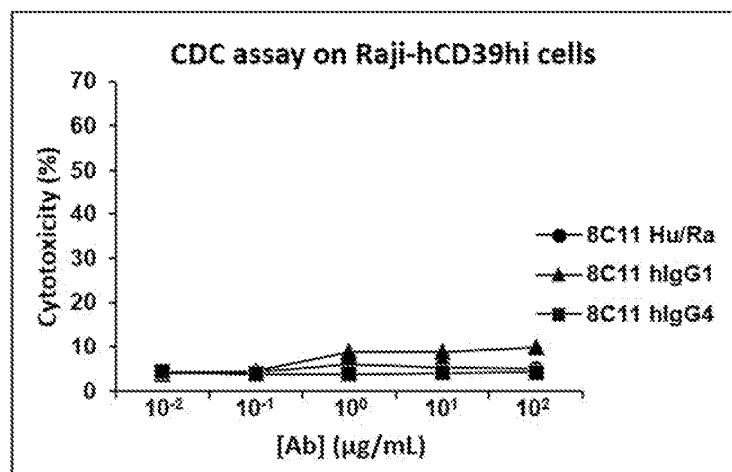


Clone	EC50 (μg/mL)
8D8 Hu/Ra	0.0061
8D8 hlgG1	0.0095
8D8 hlgG4	-----

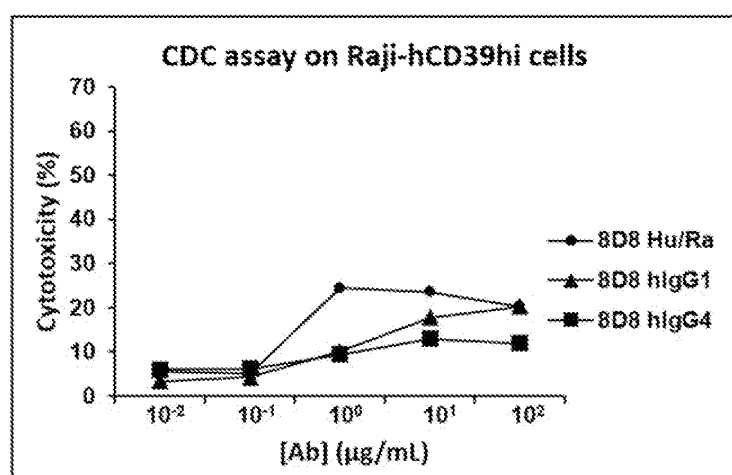


Clone	EC50 (μg/mL)
9C10 Hu/Ra	0.0056
9C10 hlgG1	0.0019
9C10 hlgG4	-----

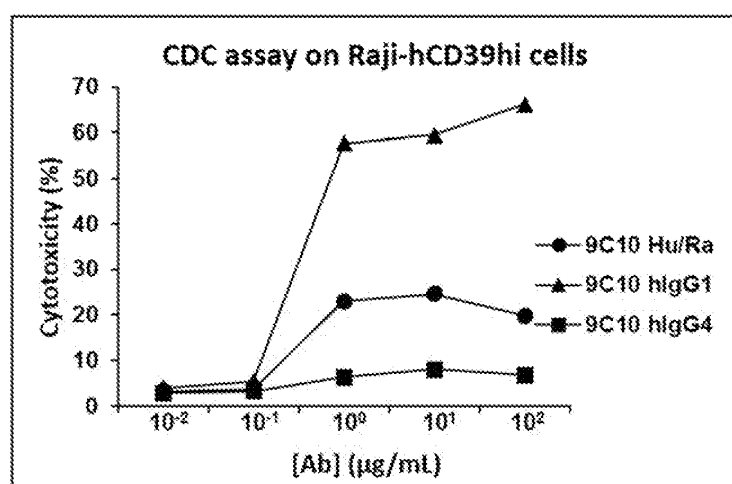
Figure 32



Clone	EC50 (μg/mL)
8C11 Hu/Ra	-----
8C11 hlgG1	-----
8C11 hlgG4	-----



Clone	EC50 (μg/mL)
8D8 Hu/Ra	0.3202
8D8 hlgG1	1.598
8D8 hlgG4	-----



Clone	EC50 (μg/mL)
9C10 Hu/Ra	0.3479
9C10 hlgG1	0.4019
9C10 hlgG4	-----

Figure 33

Clone number	Main epitope candidates
Ig39-21	IYLTDCMERAR
8C11	LRMESEELADR
8D8	RVKGP GISKFV and/or DCMERAREVIPR
9C10	LTDCMERAREVIPR and/or SLSNYPDFQGAR
65H5	CRVKGP GISKF and/or GAYGWITINILLGKFSQK and/or ILRDPCFHPGYKK

Representative reference CD39 extracellular domain sequence (aa38-478)**PROVIDED PROTEIN SEQUENCE**

CD39 sequence.

UniprotKB-P49961(ENTPD1-HUMAN)

```

                                40      50
                                LAVGLTQN KALPENVKYG
                                60      70      80      90      100
IVLDAGSSHT SLYIYKWPAE KENSTGVVHQ VEECRVRGPG ISKFFVQKVNE
110      120      130      140      150
IGIYLTDCME RAREVIPRSQ HQETPVYLGA TAGMRLIME SEELADRVLD
160      170      180      190      200
VVERSLSNYP FDFQGARIIT GQEDGAYGWI TINYLLGKFS QMTRWFSIVF
210      220      230      240      250
YETNNQETFG ALDLGGASTQ VTFVPQNQTI ESPDNALQFB LYGKQYNVYT
260      270      280      290      300
HSFLCYGKDQ ALWQELAKDI QVASNEILRD PCFHPGYMKV VNVSGLYKTP
310      320      330      340      350
CTKRPFNTLP FQQFEIQGIG NYQQCHQSIL ELFNYSYCPY SQCAFNGIFL
360      370      380      390      400
FPLQGDFGAF SAFYFVMKFL NLTSEKVSQE KVTEMMKKFC AQPWEEIKTS
410      420      430      440      450
YAGVKEKYLK EYCFSGTYIL SLLLQGYHFT ADSWEHINFI GKIQGS DAGW
460      470      480
TLGYMLNLTN MIPAEQELST PLSHSTYV

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** For the purpose of this report, the sequence listed here is renumbered from 1.*

SUBSTITUTE SHEET (RULE 26)

Figure 33 (cont.) Rendering of homology model of a dimer of human CD39 based on 3ZX3.pdb.

