
MUC1-SEA-mIgG2a
N
MUC1-SEA-domain
Mouse IgG2a
C
MUC1-SEA-huIgG1
N
MUC1-SEA-domain
Human IgG1
C

Figure 1

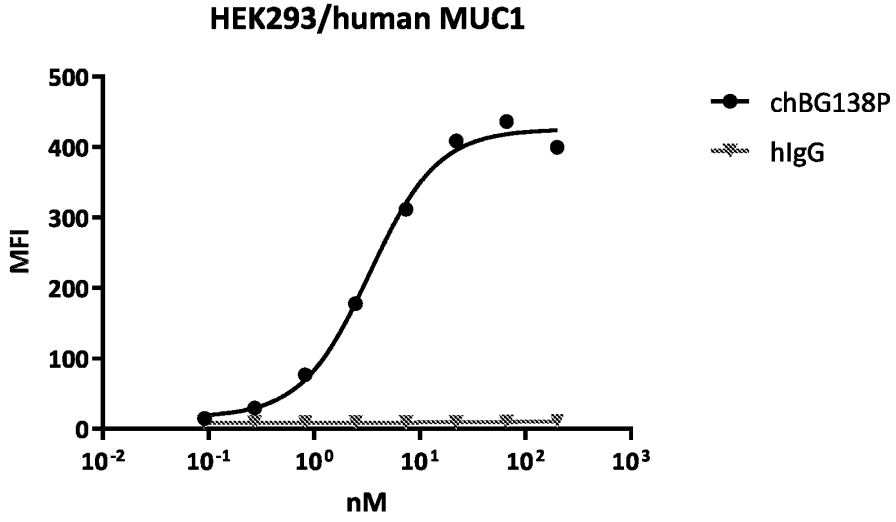

Figure 2A

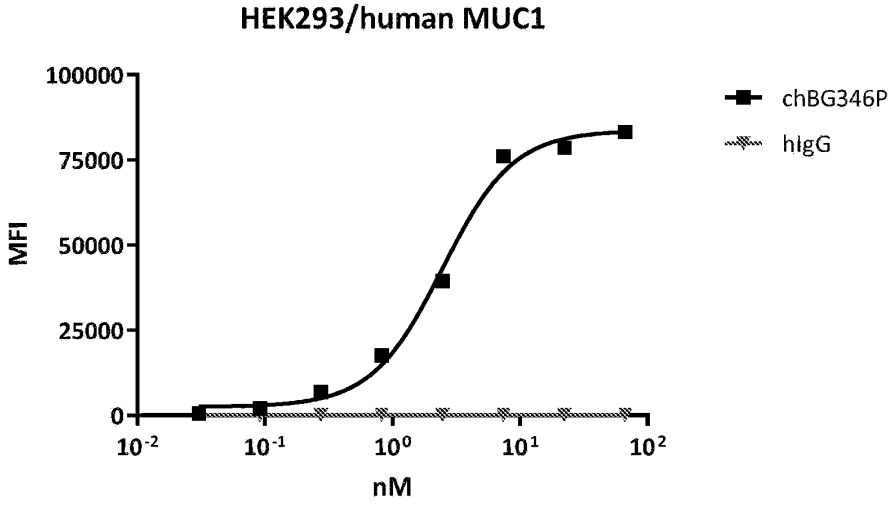

Figure 2B

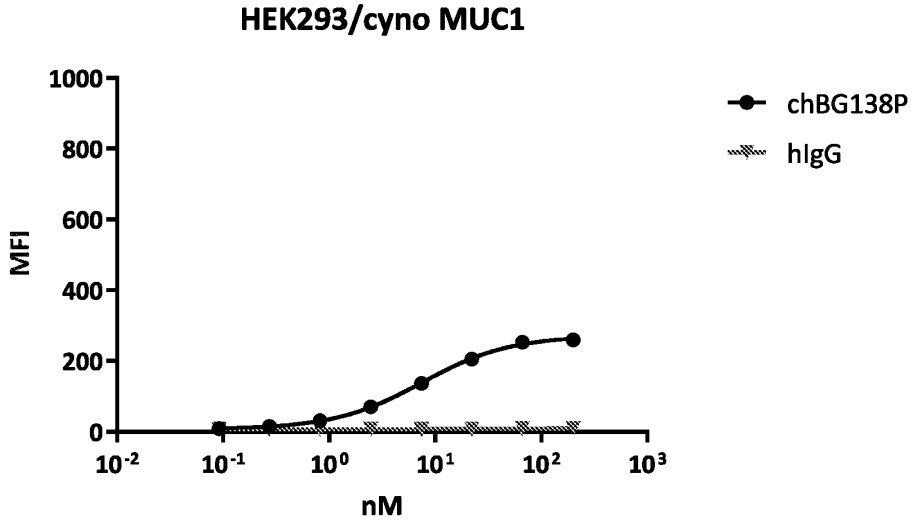

Figure 2C

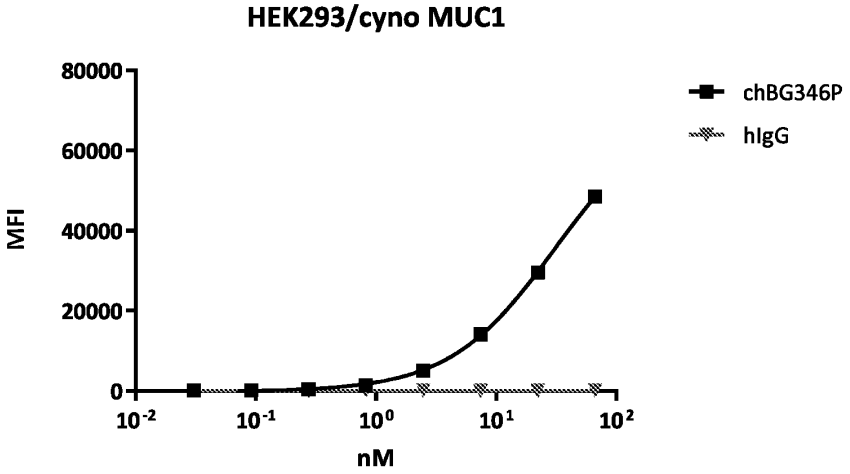

Figure 2D

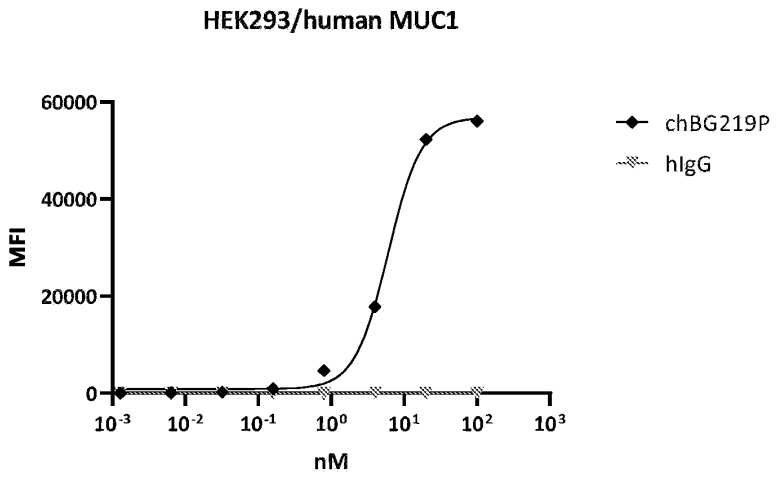

Figure 2E

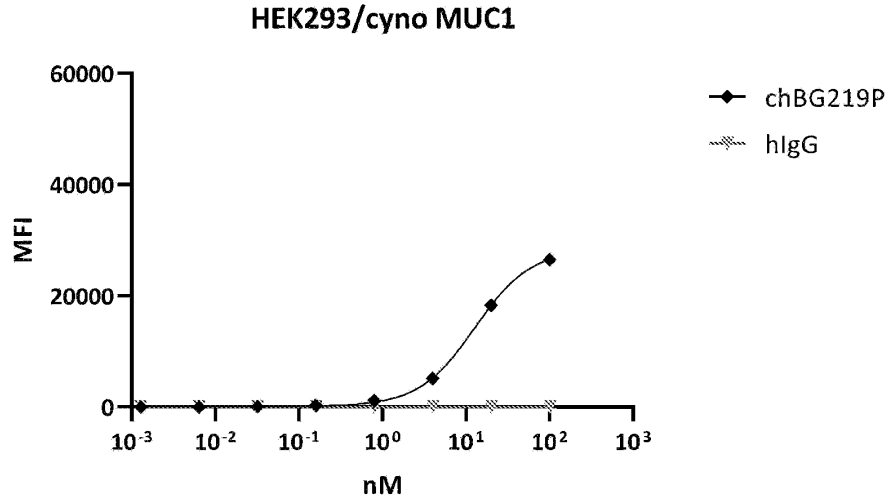

Figure 2F

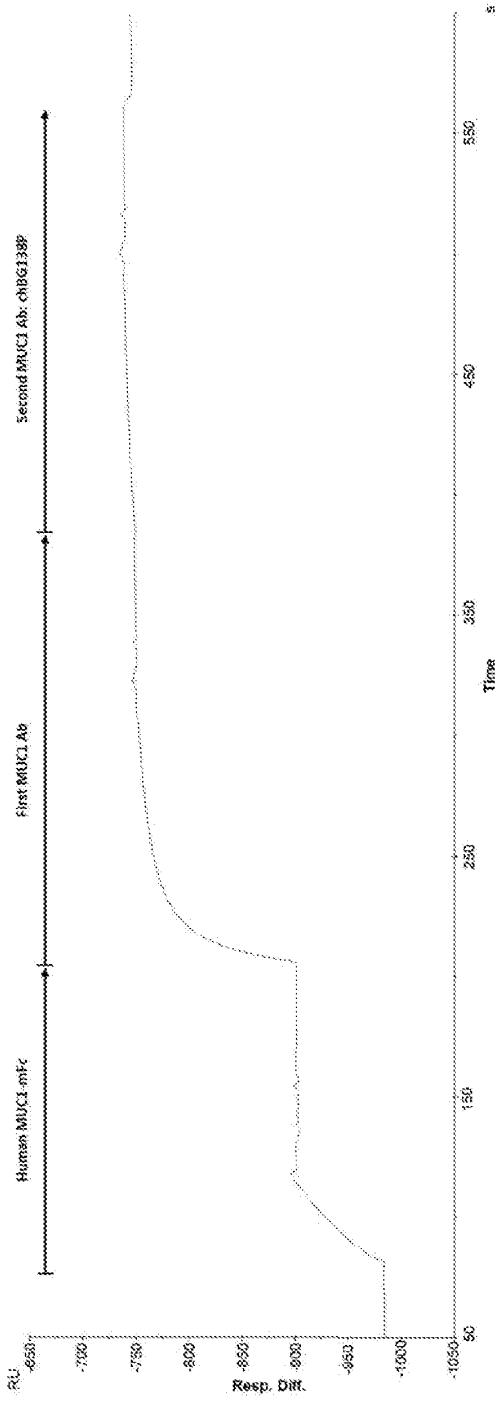
Human MUC1-mFc
First MUC1 Ab
Second MUC1 Ab: OMBG1388
RU
Resp. Diff.
Time
s
-650
-700
-750
-800
-850
-900
-950
-1000
-1050
50
150
250
350
450
550

Figure 3A

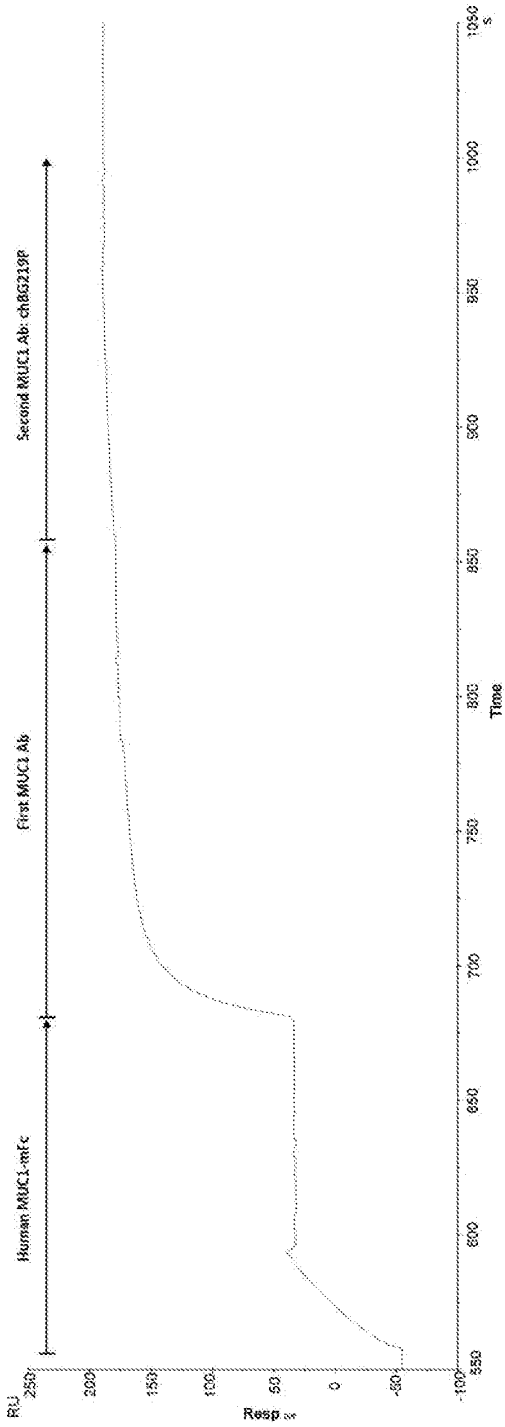
Human MUC1-mFc
First MUC1 Ab
Second MUC1 Ab: ch803219P
RU
250
200
150
100
50
0
-50
-100
Resp
550
600
650
700
750
800
850
900
950
1000
1050
s
Time

Figure 3B

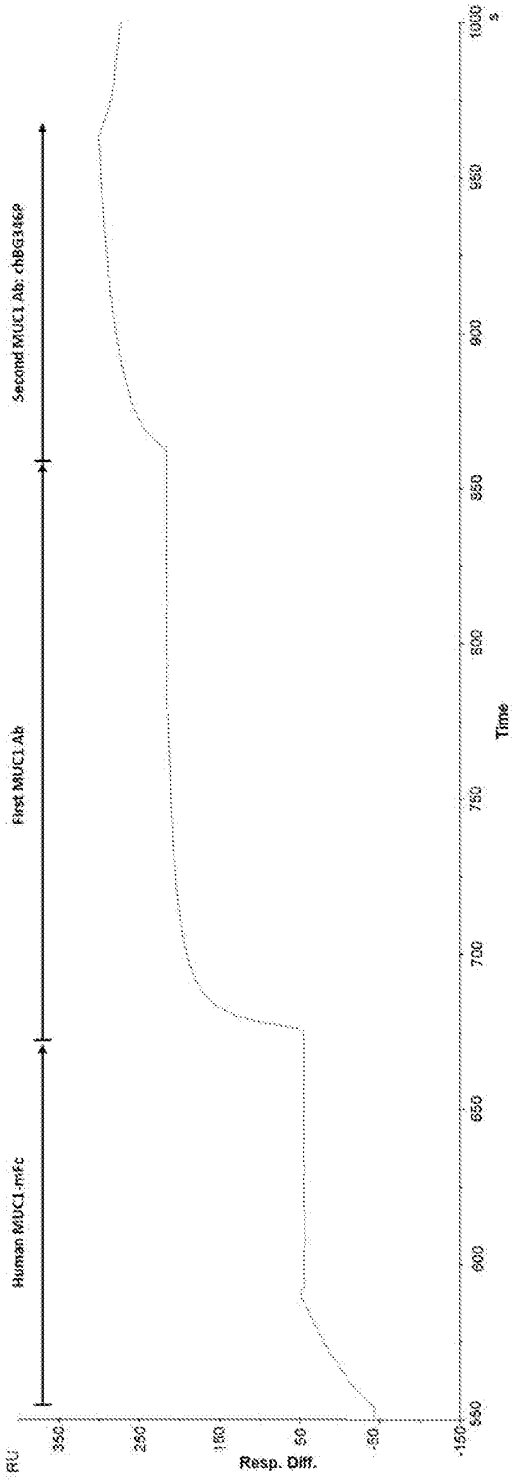
Human MUC1-mFc
First MUC1 Ab
Second MUC1 Ab: chBG386
RU
350
250
150
50
-50
-150
Resp. Diff.
550
600
650
700
750
800
850
900
950
1000
s
Time

Figure 3C

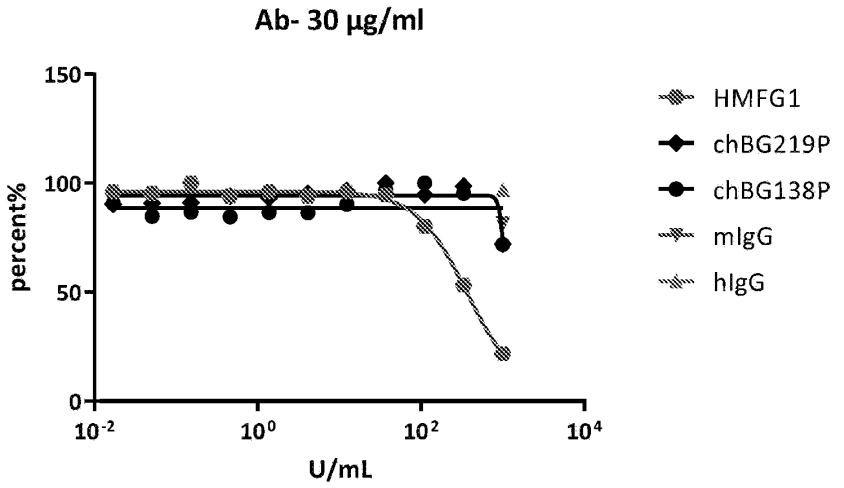

Figure 4A

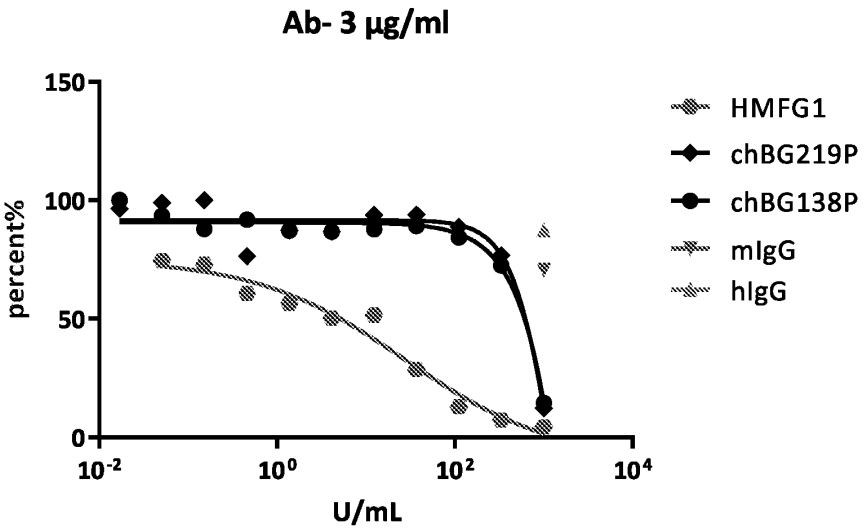

Figure 4B

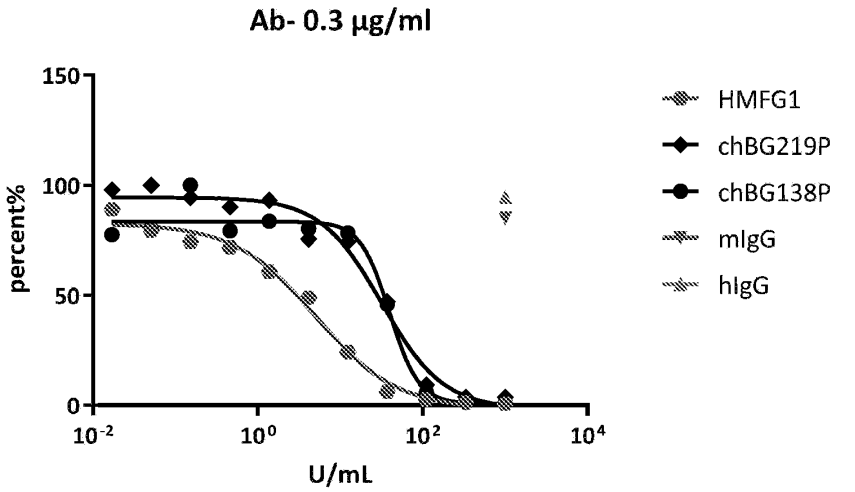

Figure 4C

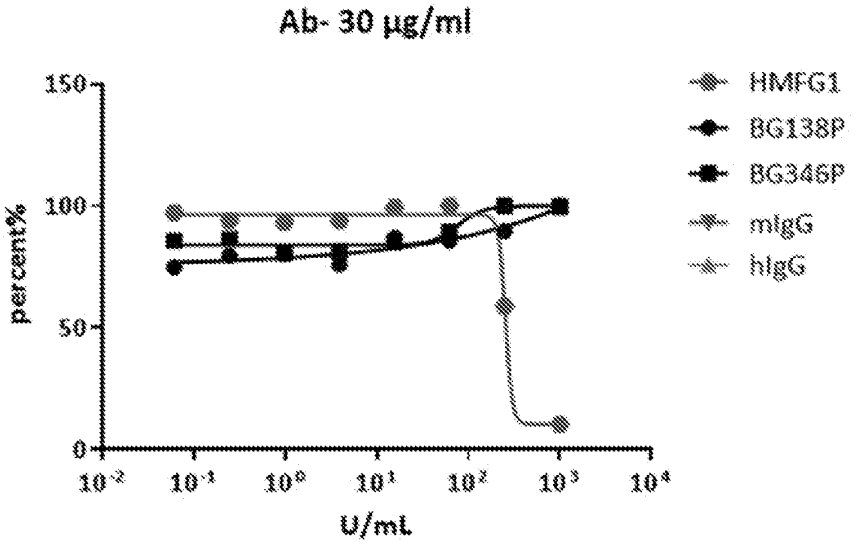

Figure 4D

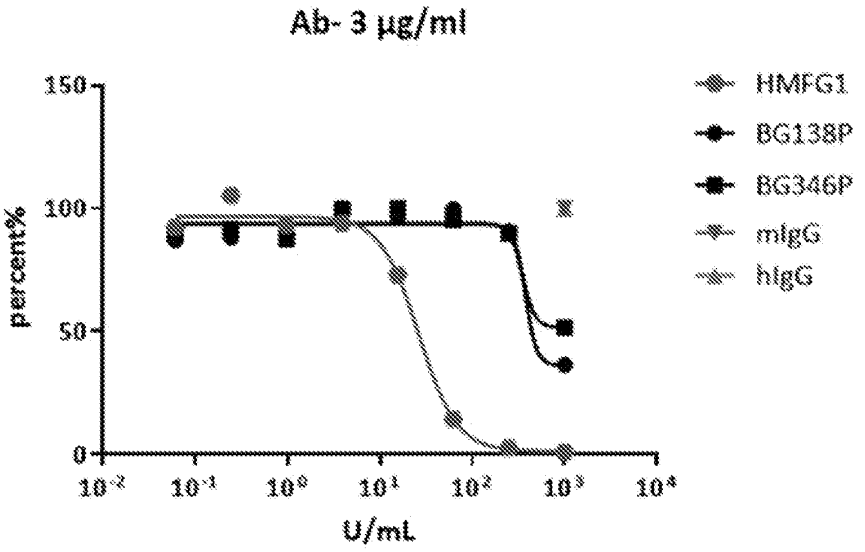

Figure 4E

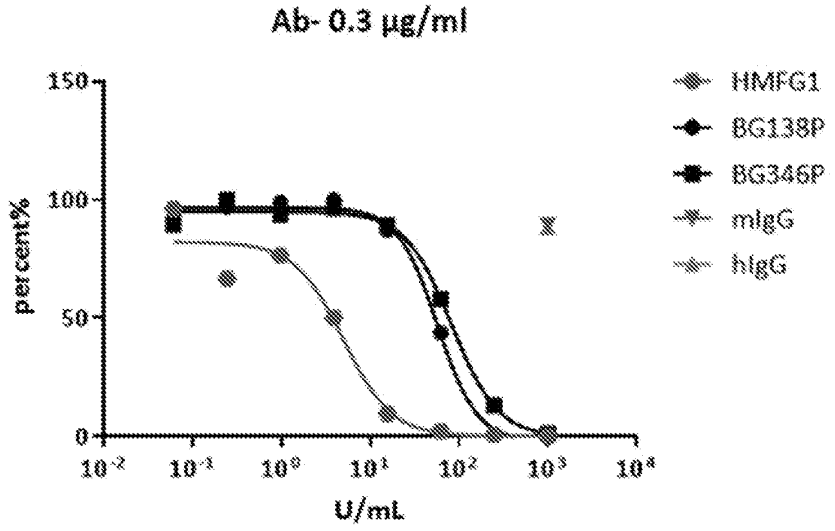

Figure 4F

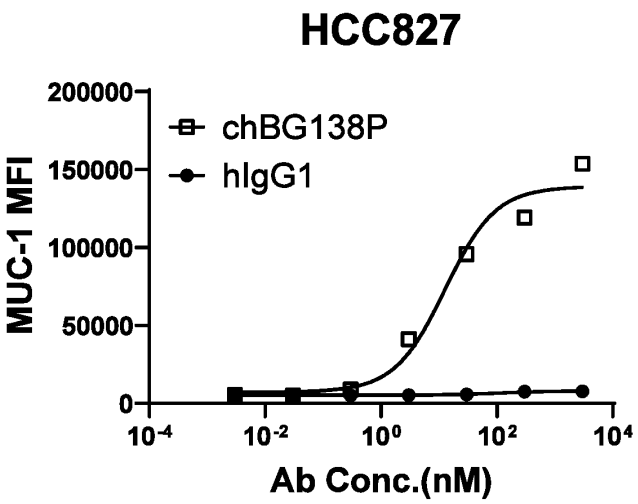

Figure 5A

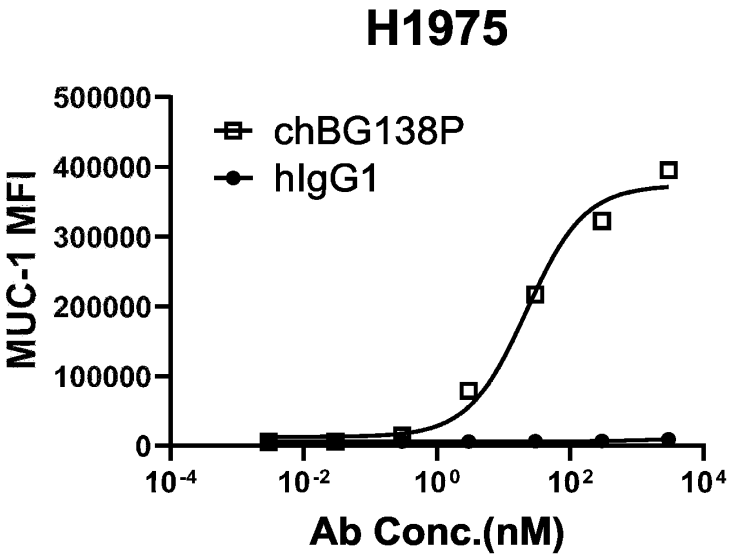

Figure 5B

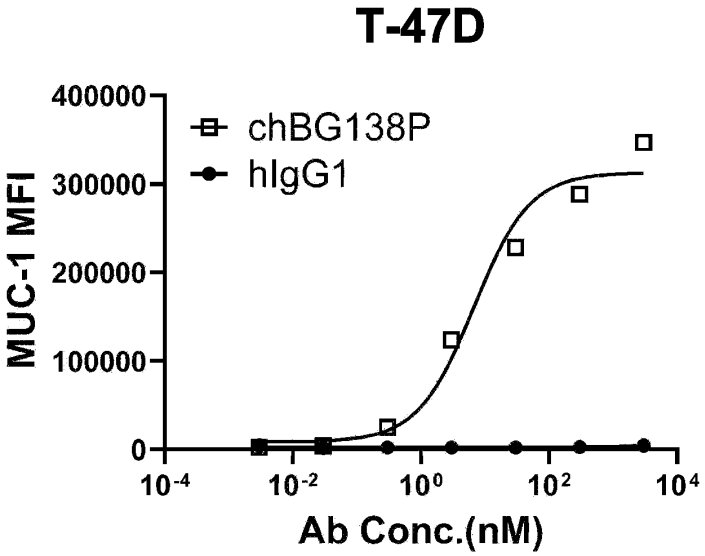
T-47D
400000
300000
200000
100000
0
MUC-1 MFI
chBG138P
hIgG1
10-4
10-2
100
102
104
Ab Conc.(nM)

Figure 5C

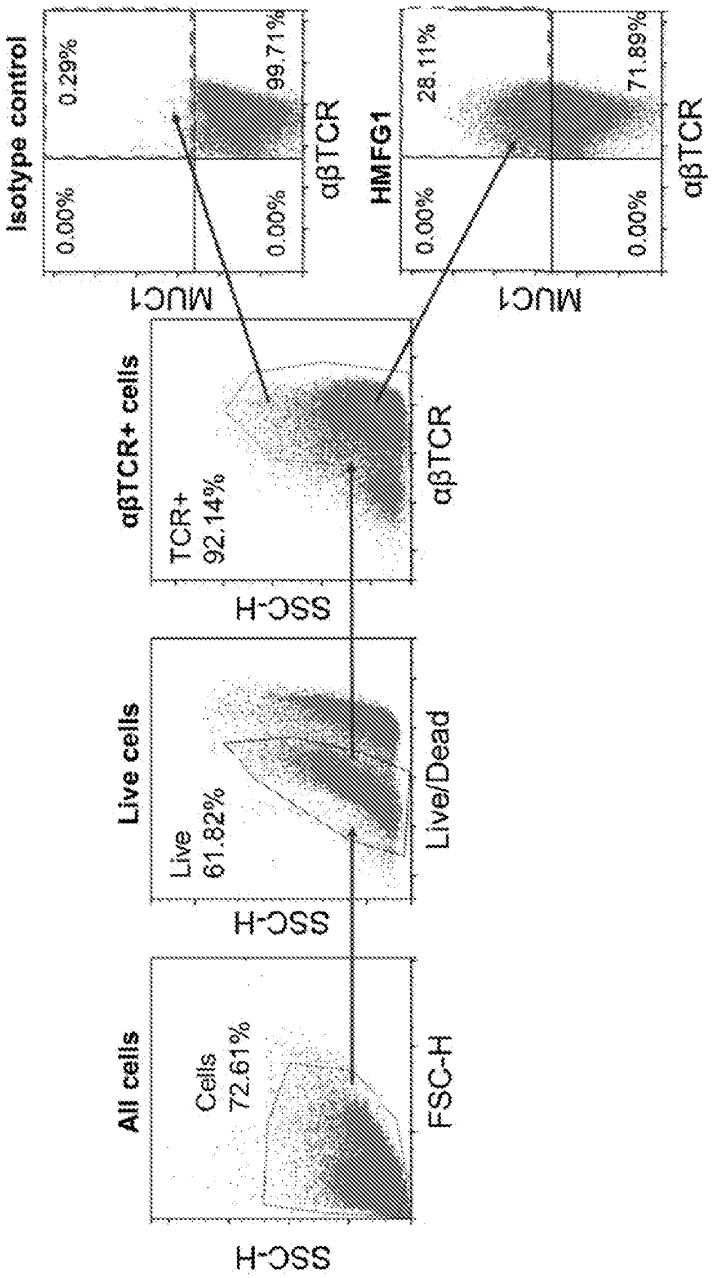
All cells
Cells
72.61%
FSC-H
SSC-H
Live cells
Live
61.82%
Live/Dead
SSC-H
αβTCR+ cells
TCR+
92.14%
αβTCR
SSC-H
Isotype control
0.00%
0.29%
99.71%
0.00%
MUC1
αβTCR
HMFG1
0.00%
28.11%
71.89%
0.00%
MUC1
αβTCR

Figure 6

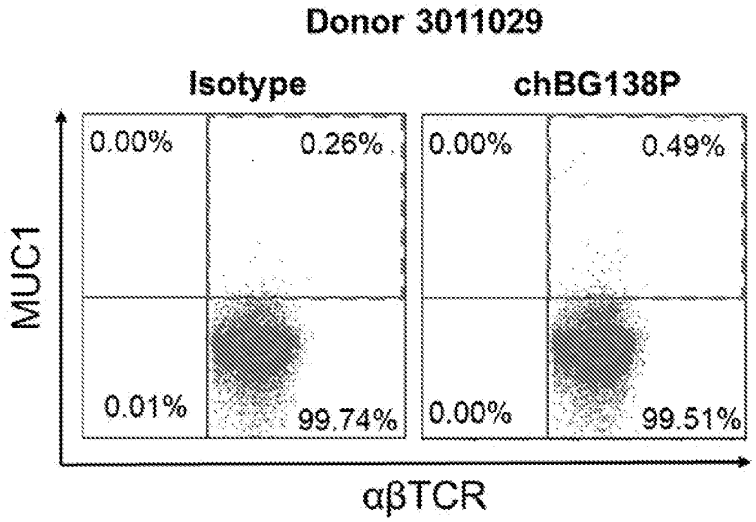

Figure 7A

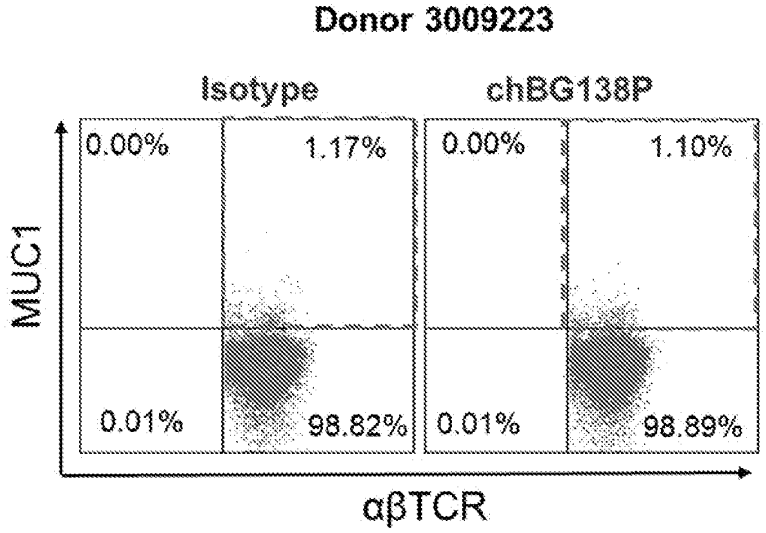

Figure 7B

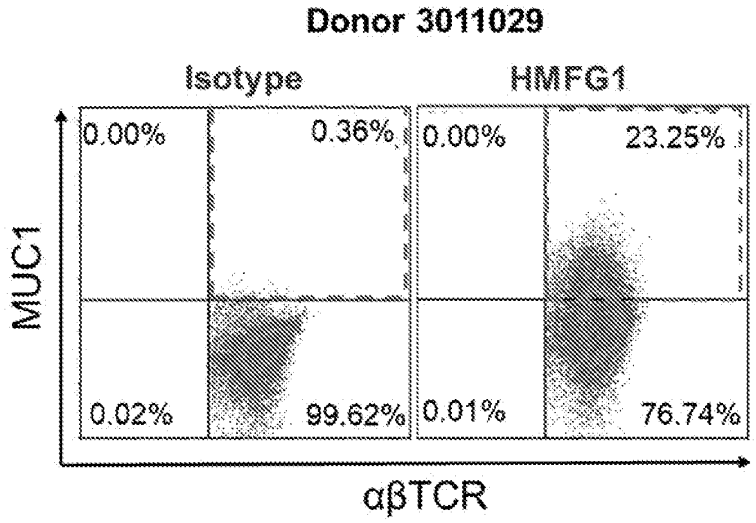

Figure 7C

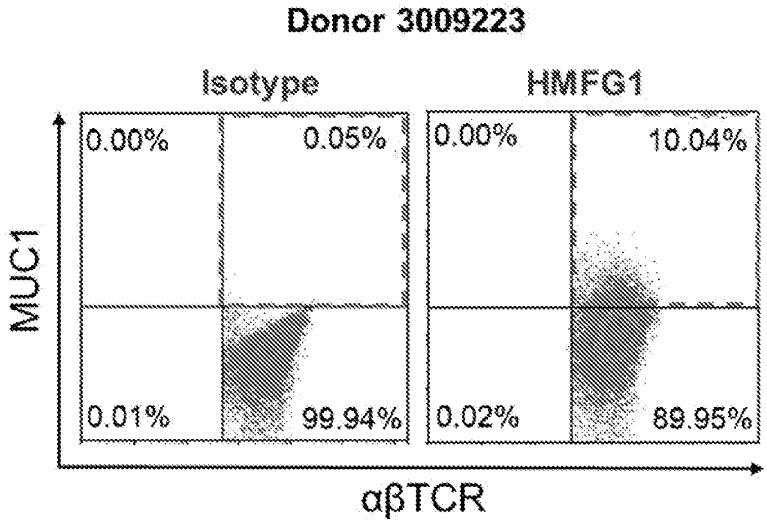

Figure 7D

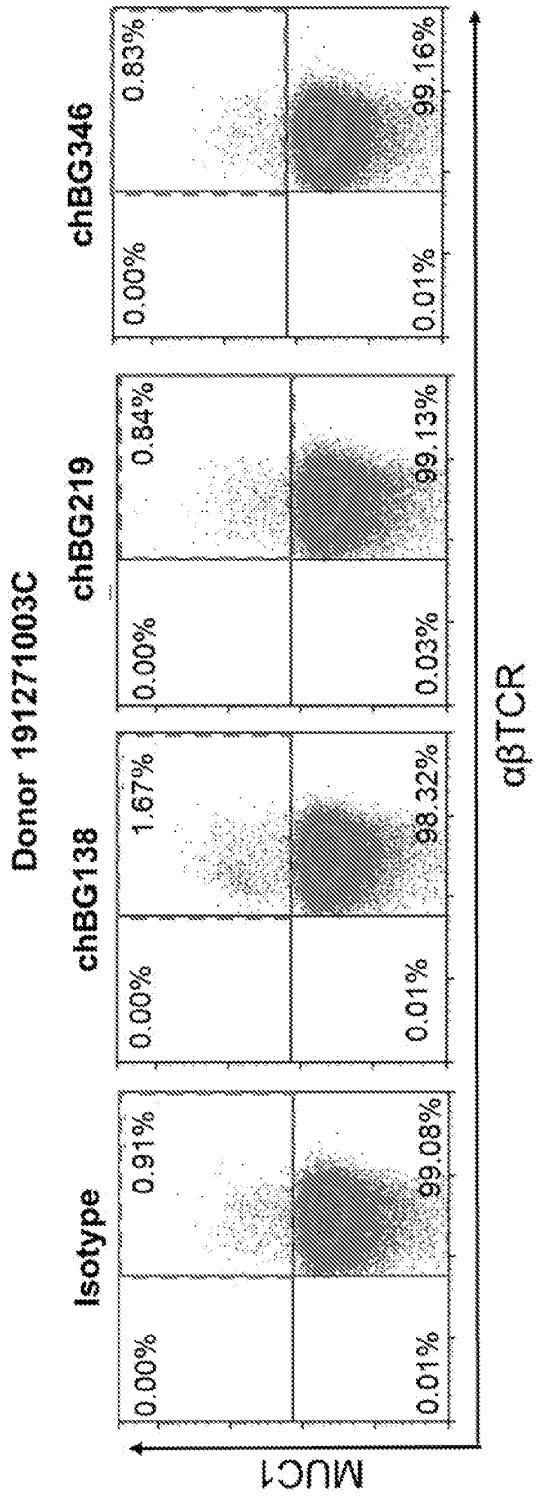
Donor 191271003C
Isotype
chBG138
chBG219
chBG346
0.00%
0.91%
0.01%
99.08%
0.00%
1.67%
0.01%
98.32%
0.00%
0.84%
0.03%
99.13%
0.00%
0.83%
0.01%
99.16%
MUC1
αβTCR

Figure 7E

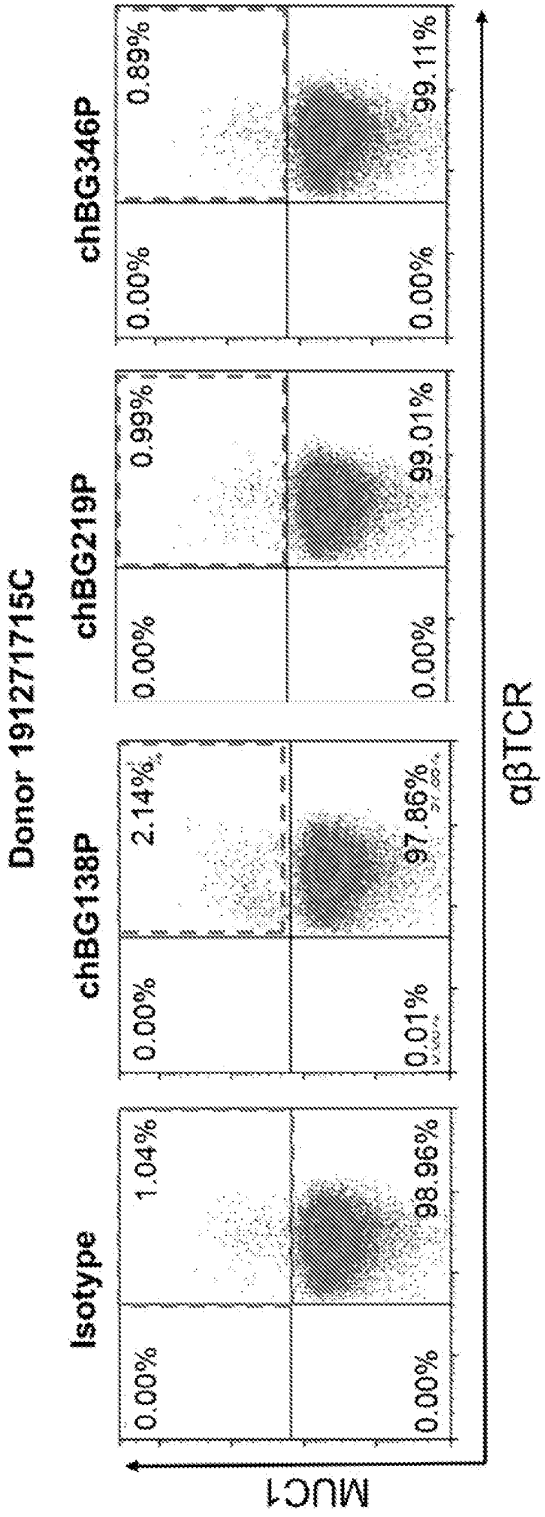
Donor 191271715C
Isotype
chBG138P
chBG219P
chBG346P
0.00%
1.04%
0.00%
98.96%
0.00%
2.14%
0.01%
97.86%
0.00%
0.99%
0.00%
99.01%
0.00%
0.89%
0.00%
99.11%
MUC1
αβTCR

Figure 7F

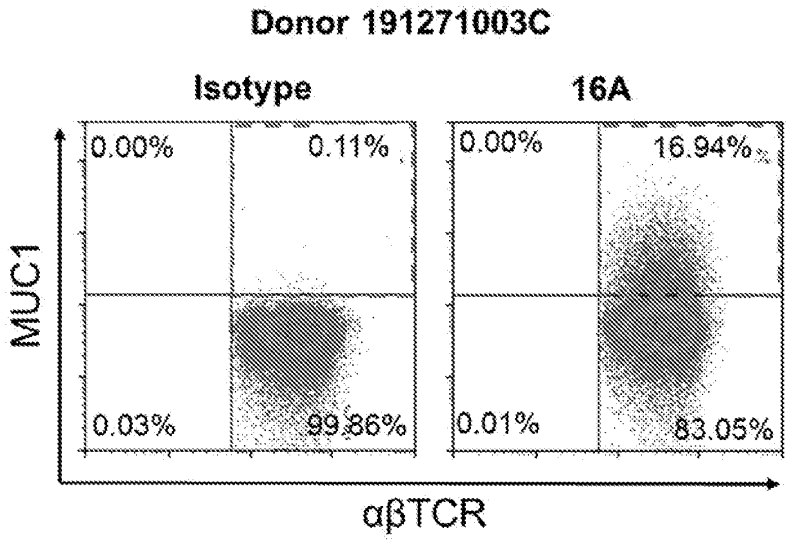

Figure 7G

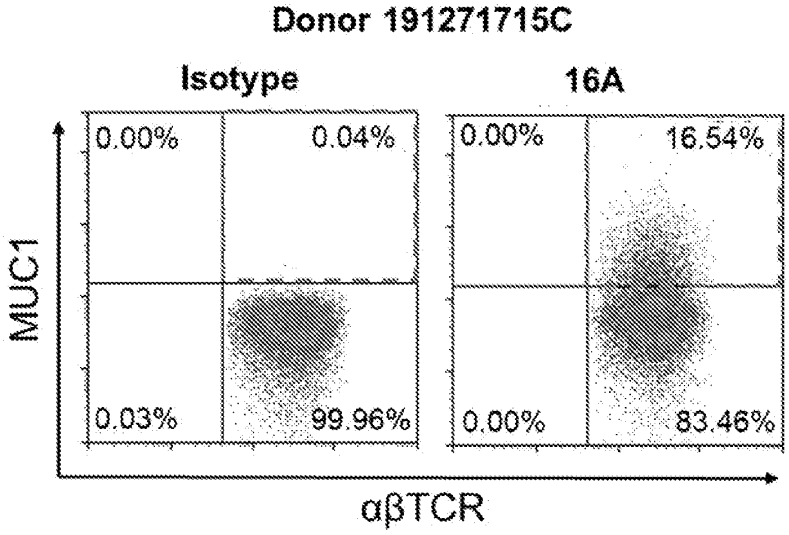

Figure 7H

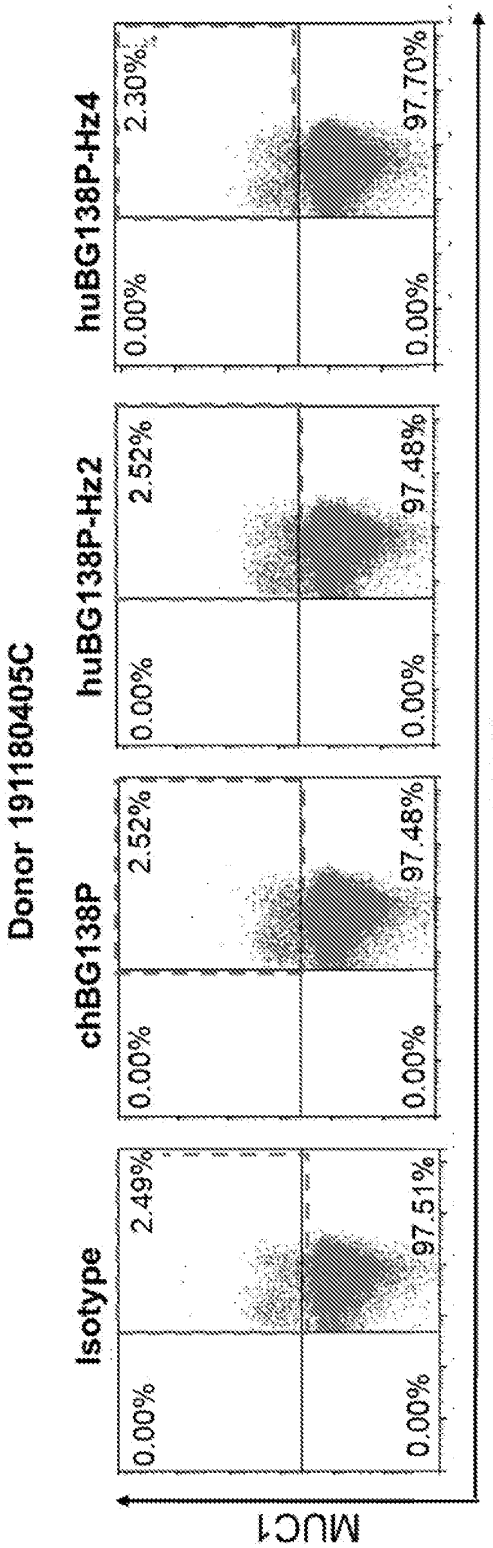
Donor 1911804405C
Isotype
chBG138P
huBG138P-Hz2
huBG138P-Hz4
0.00%
2.49%
97.51%
0.00%
0.00%
2.52%
97.48%
0.00%
0.00%
2.52%
97.48%
0.00%
0.00%
2.30%
97.70%
0.00%
MUC1
αβTCR

Figure 8A

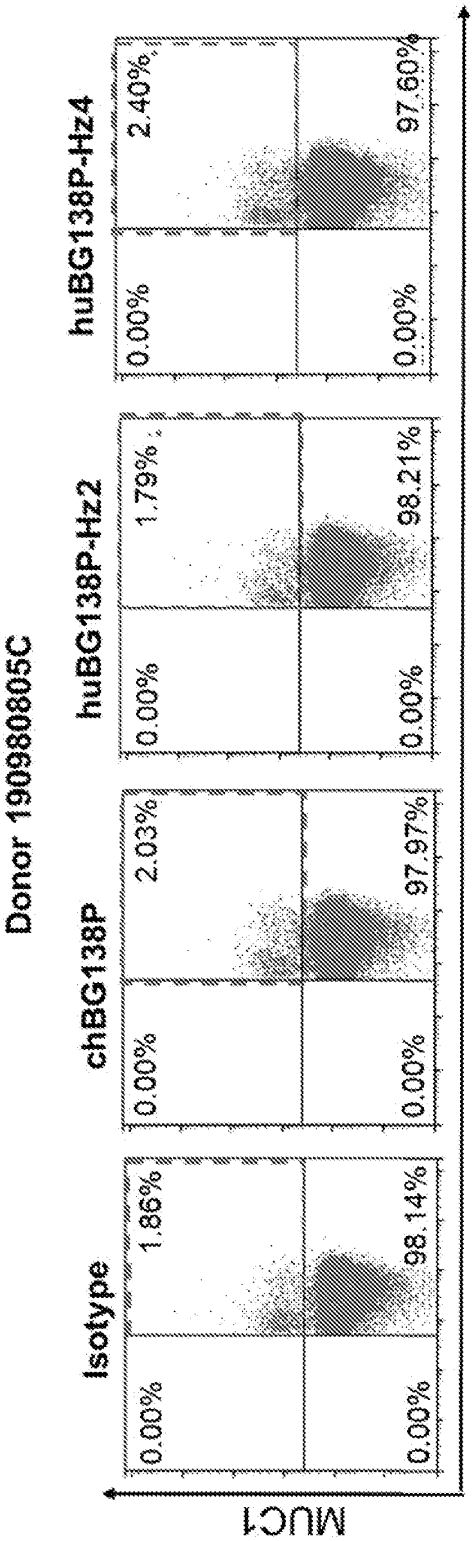
Donor 190980805C
Isotype
chBG138P
huBG138P-Hz2
huBG138P-Hz4
0.00%
1.86%
98.14%
0.00%
0.00%
2.03%
97.97%
0.00%
0.00%
1.79%
98.21%
0.00%
0.00%
2.40%
97.60%
0.00%
MUC1
αβTCR

Figure 8B

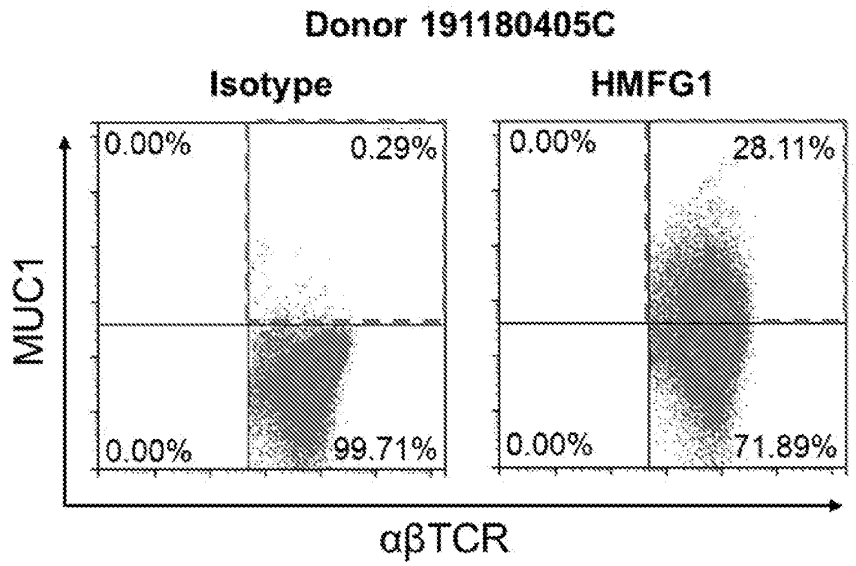

Figure 8C

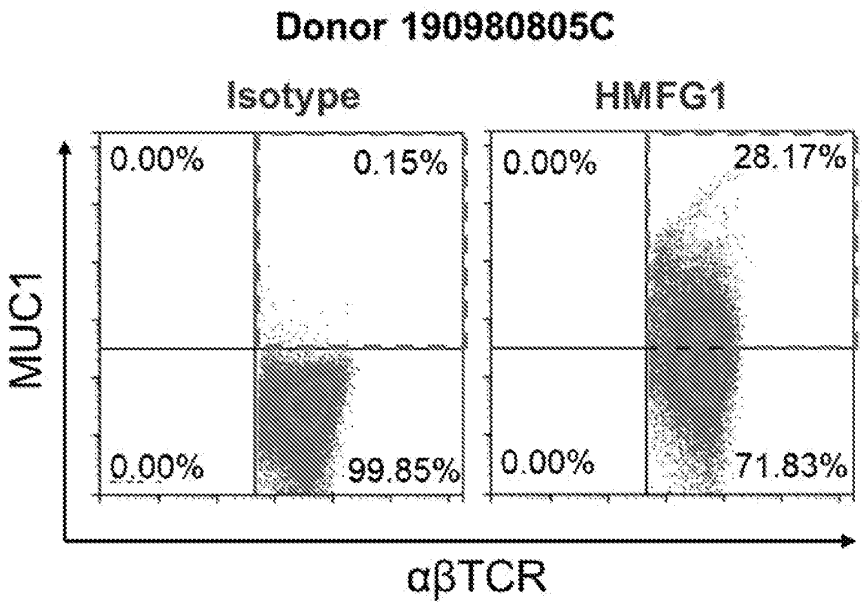

Figure 8D

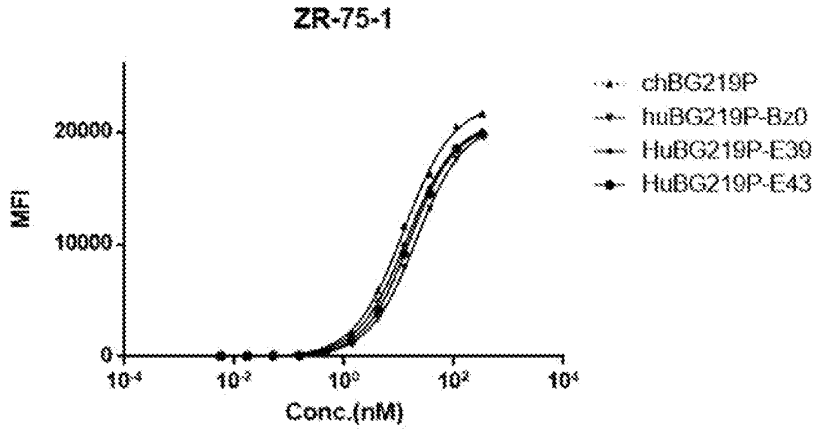

Figure 9

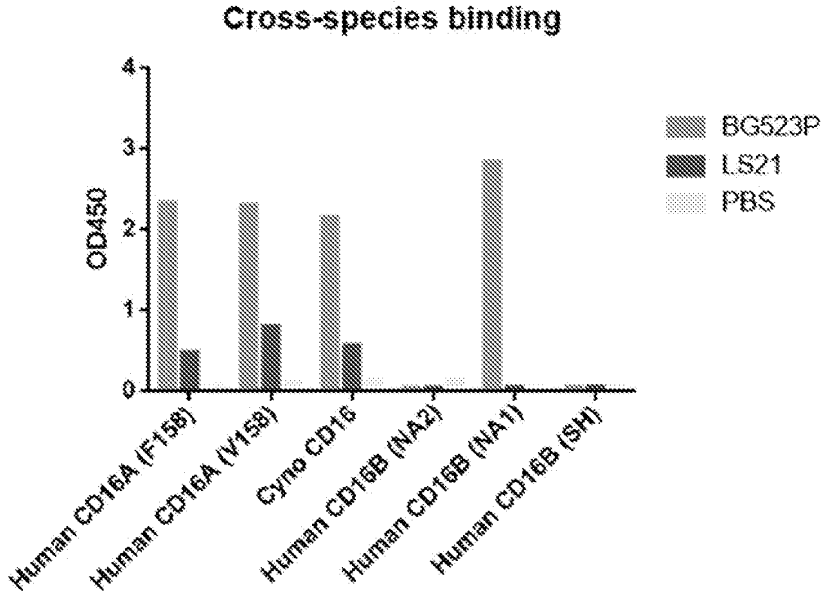

Figure 10

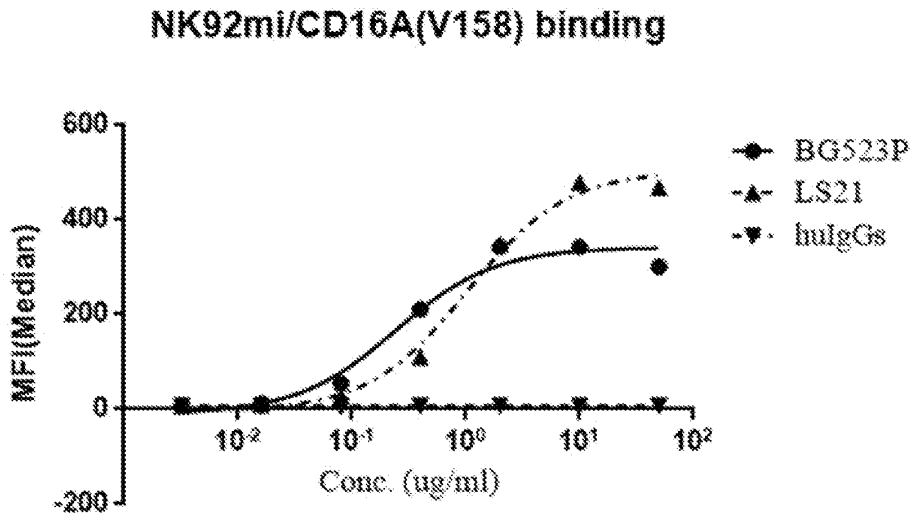

Figure 11A

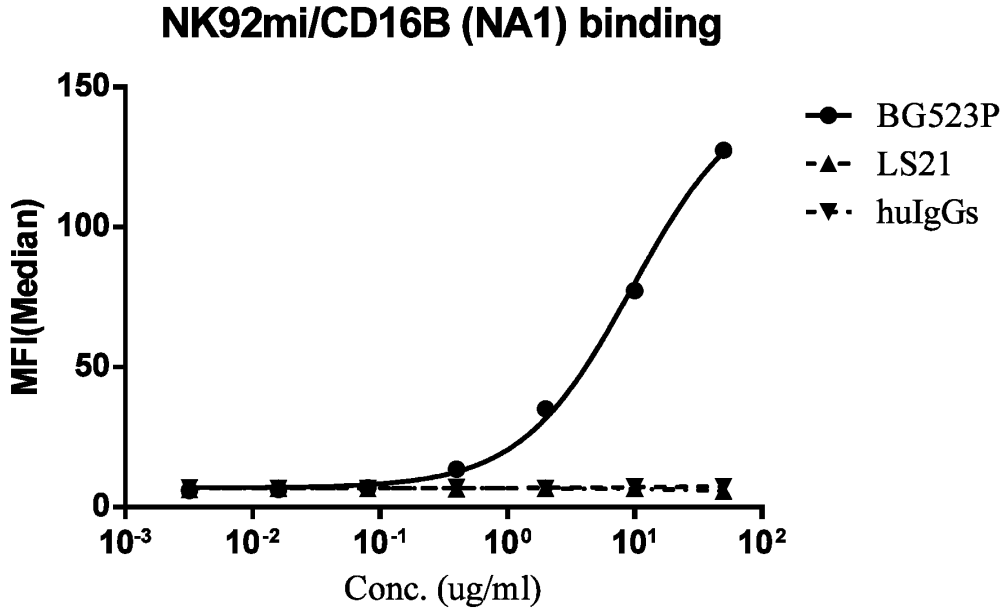

Figure 11B

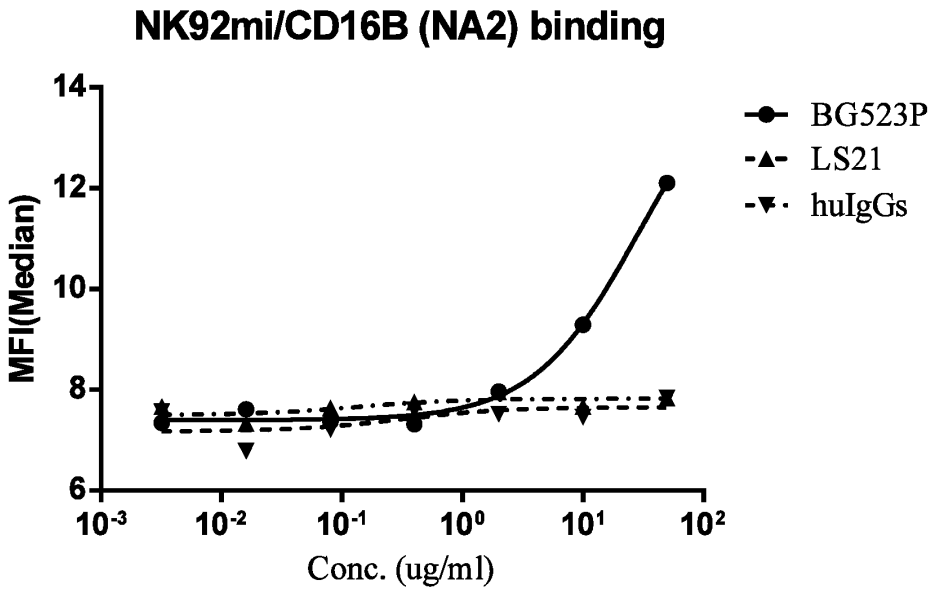

Figure 11C

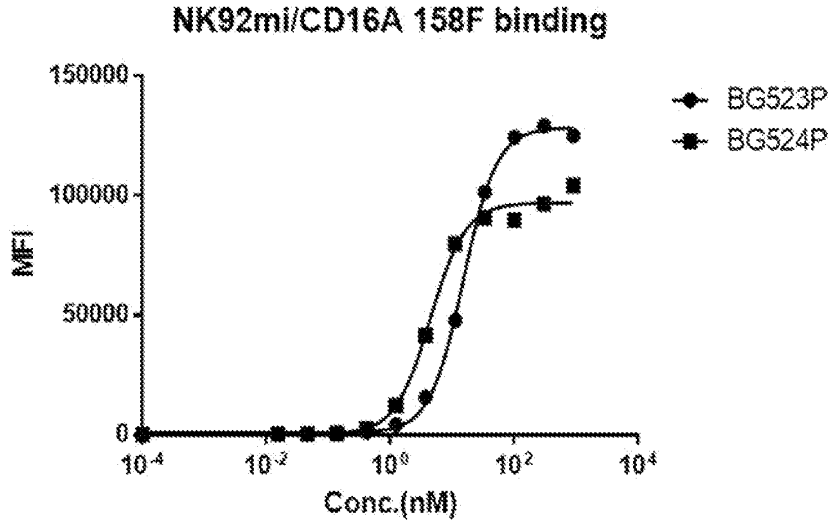

Figure 12A

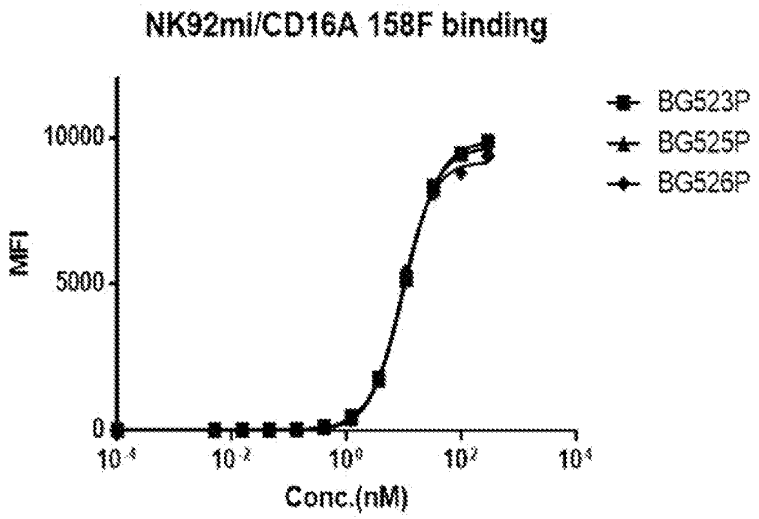

Figure 12B

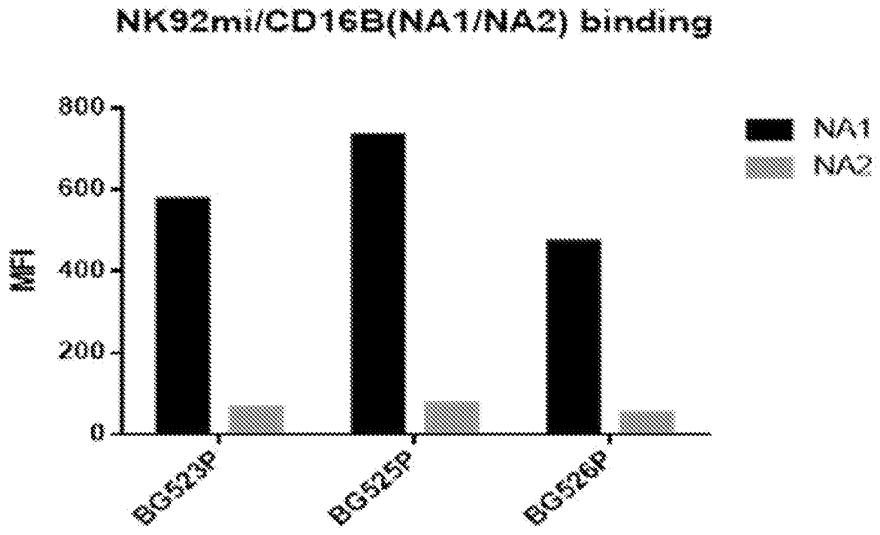

Figure 13

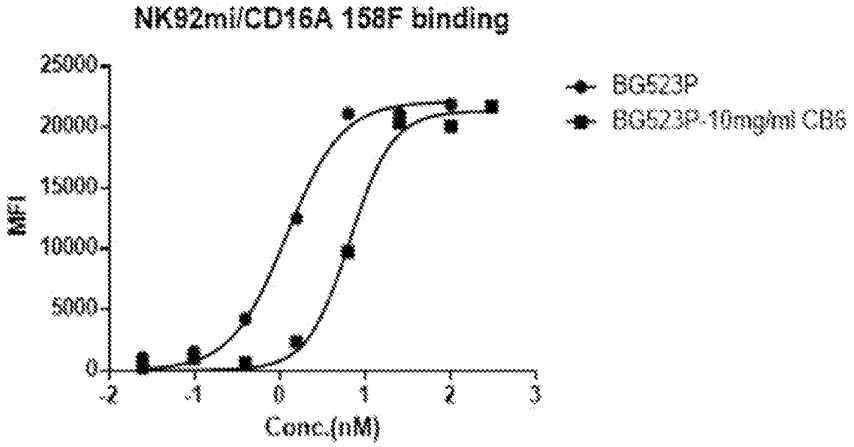

Figure 14A

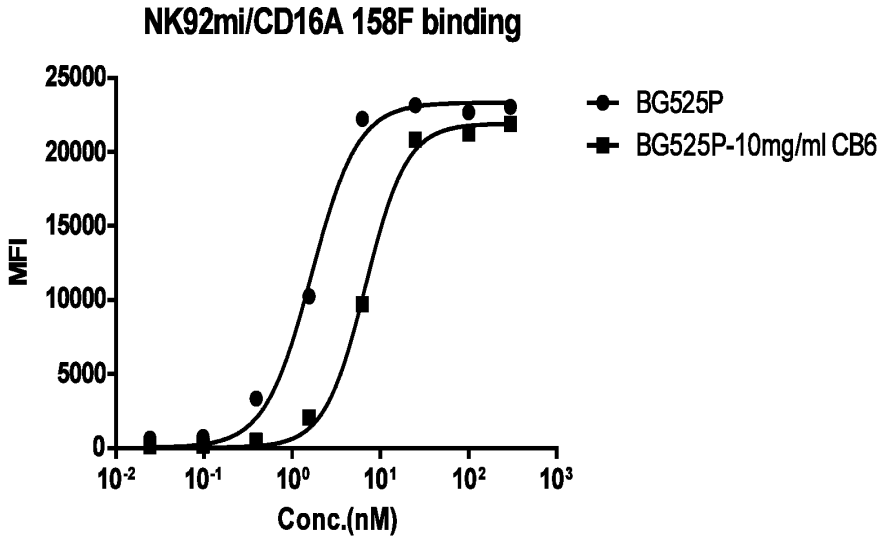

Figure 14B

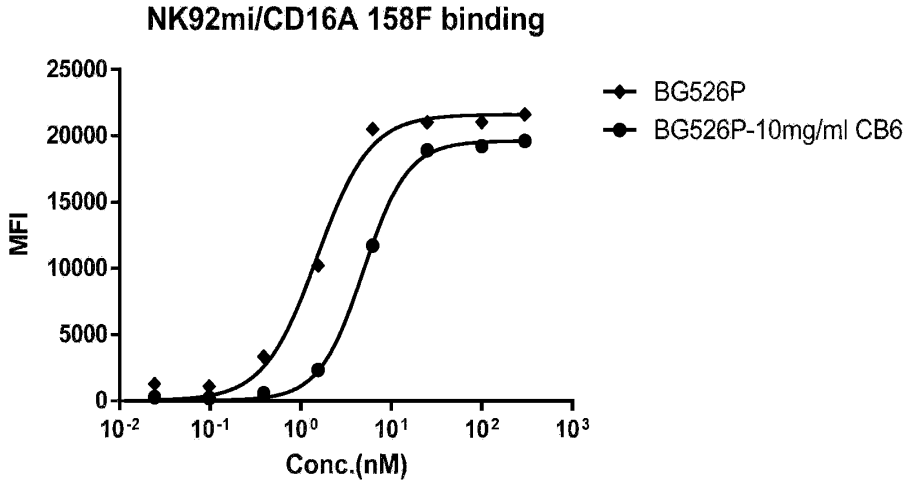

Figure 14C

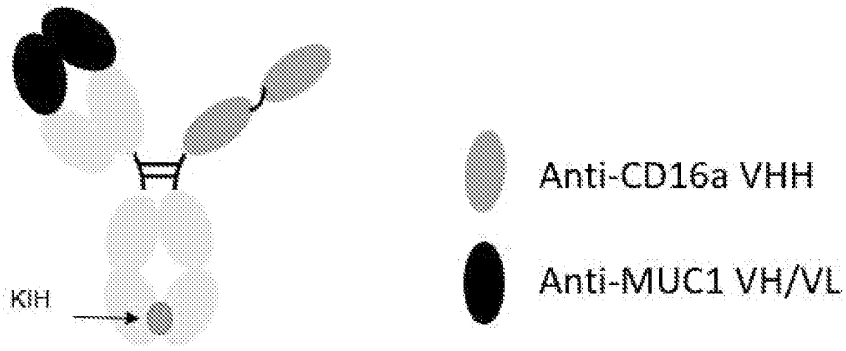

Figure 15

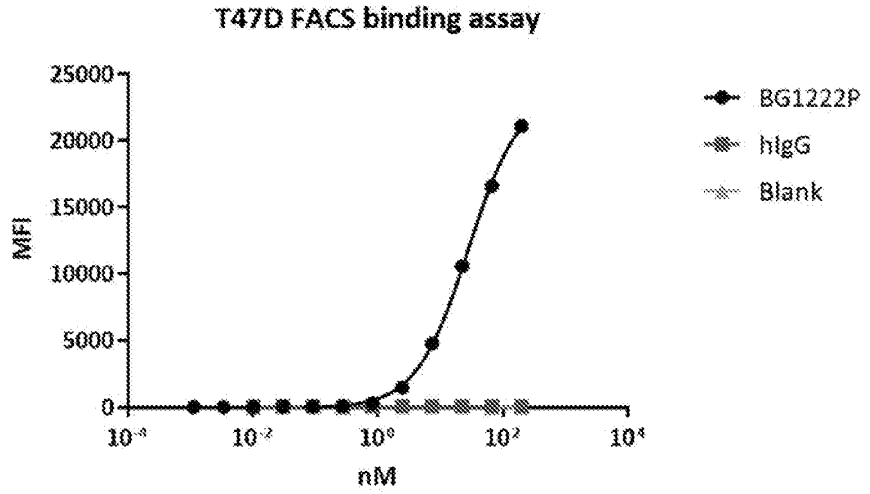

Figure 16

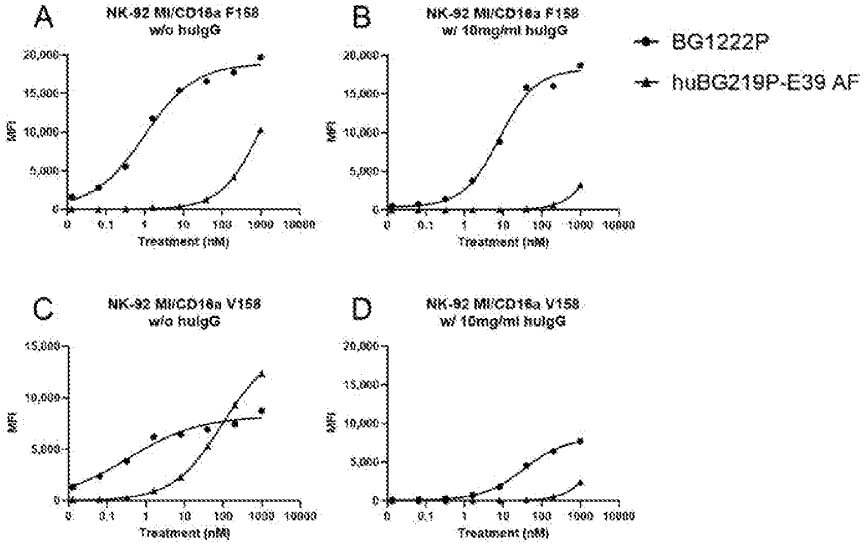

Figure 17

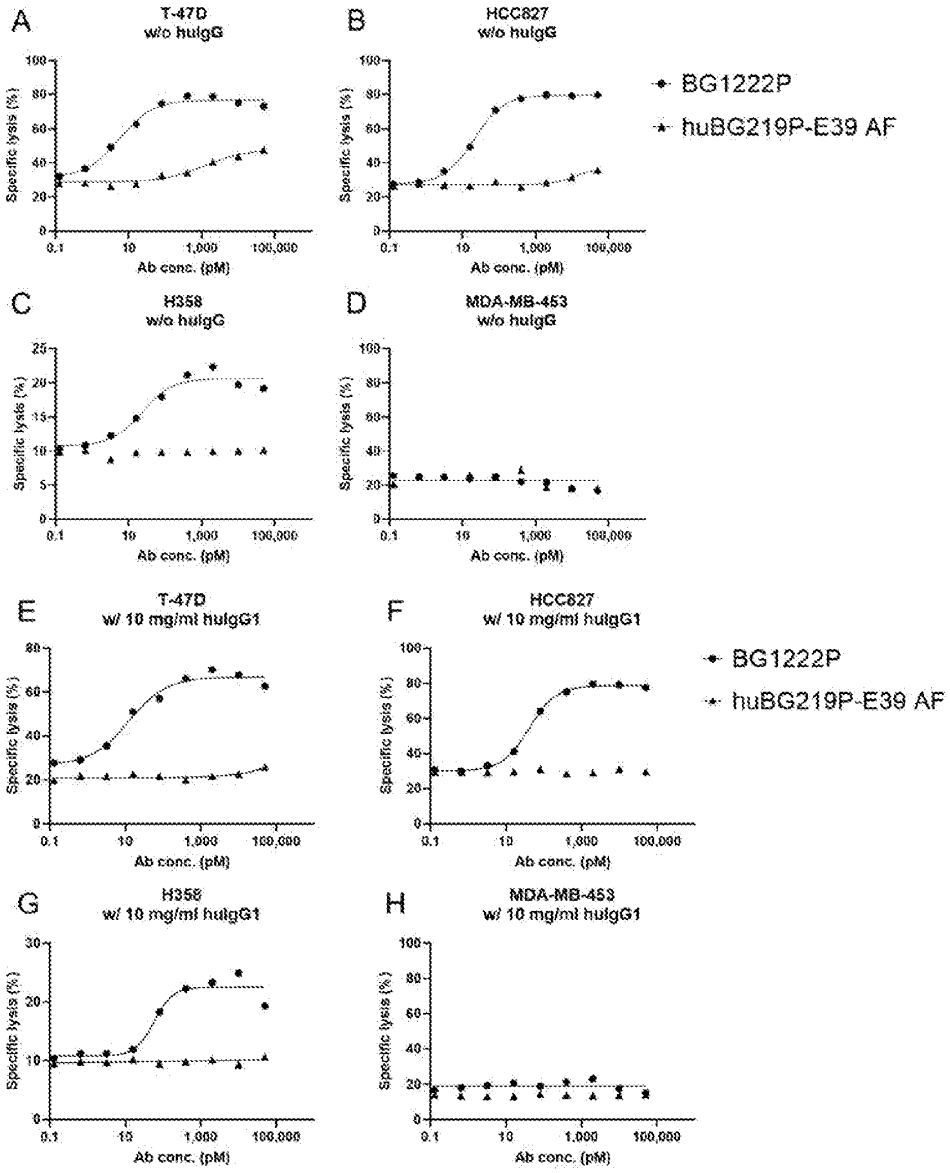
A
T-47D
w/o hulgG
B
HCC827
w/o hulgG
C
H358
w/o hulgG
D
MDA-MB-453
w/o hulgG
E
T-47D
w/ 10 mg/ml hulgG1
F
HCC827
w/ 10 mg/ml hulgG1
G
H358
w/ 10 mg/ml hulgG1
H
MDA-MB-453
w/ 10 mg/ml hulgG1
Specific lysis (%)
Ab conc. (pM)
BG1222P
huBG219P-E39 AF

Figure 18

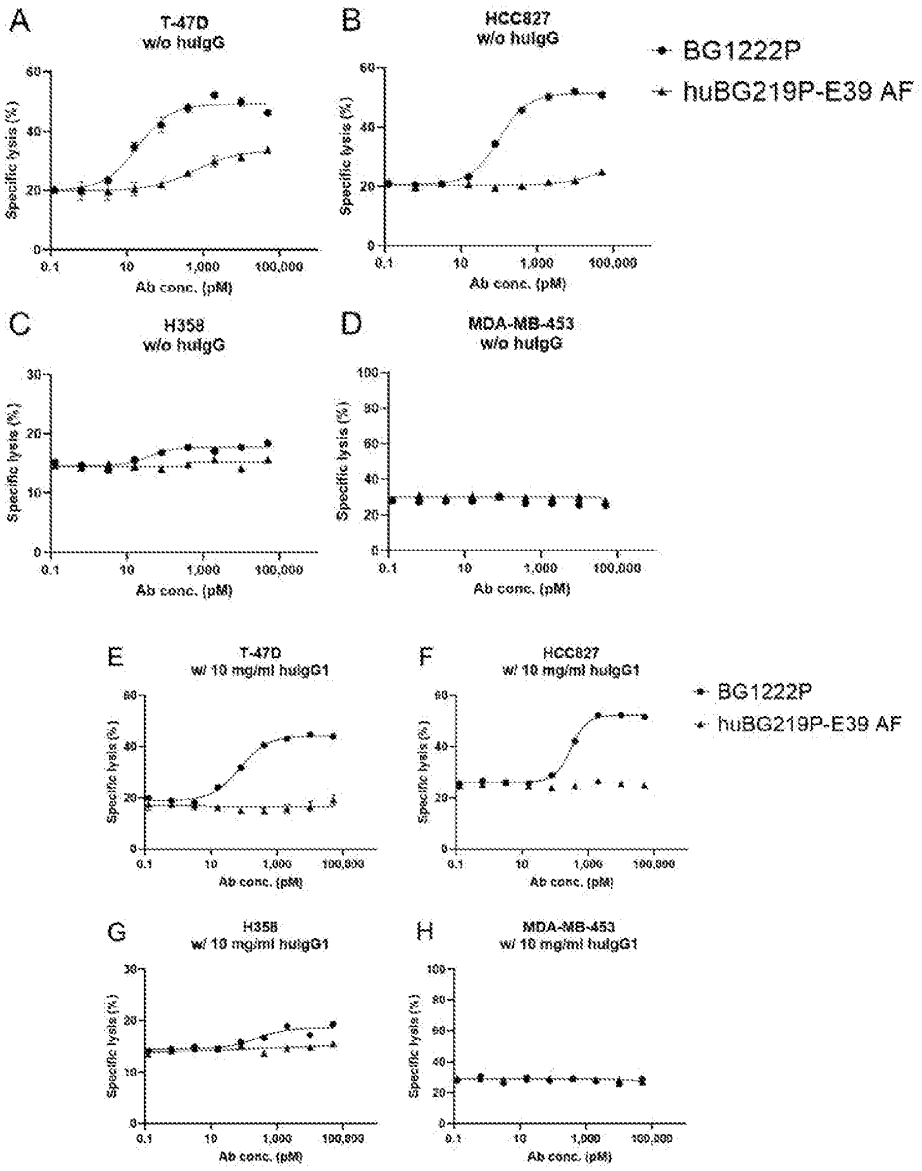
A
T-47D
w/o hulgG
B
HCC827
w/o hulgG
BG1222P
huBG219P-E39 AF
C
H358
w/o hulgG
D
MDA-MB-453
w/o hulgG
E
T-47D
w/ 10 mg/ml hulgG1
F
HCC827
w/ 10 mg/ml hulgG1
BG1222P
huBG219P-E39 AF
G
H358
w/ 10 mg/ml hulgG1
H
MDA-MB-453
w/ 10 mg/ml hulgG1
Specific lysis (%)
Ab conc. (pM)

Figure 19

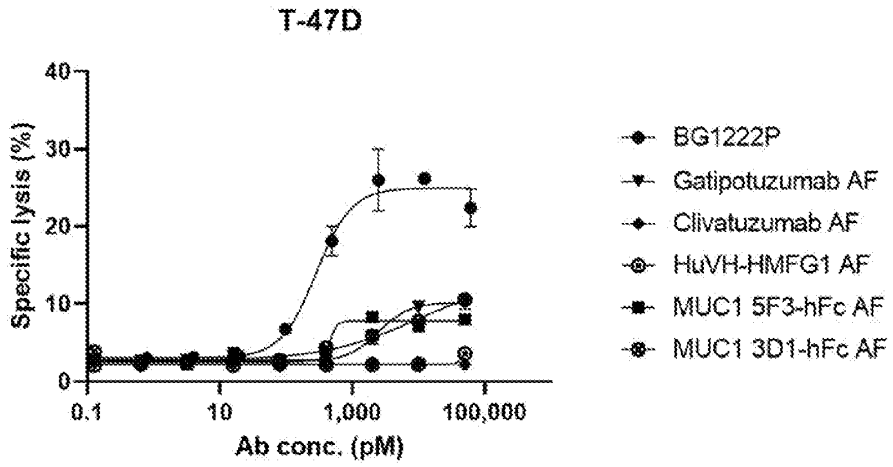

Figure 20

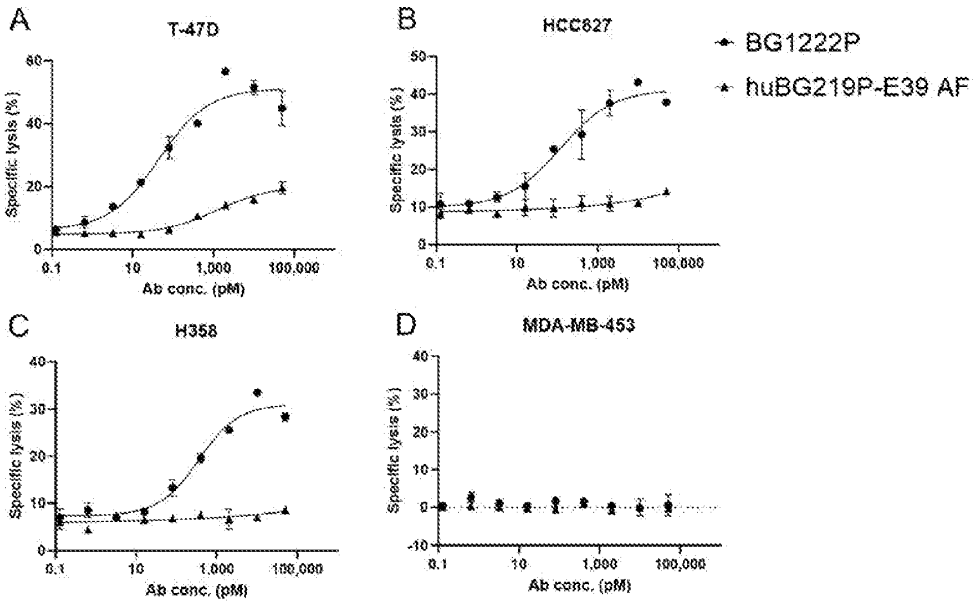

Figure 21

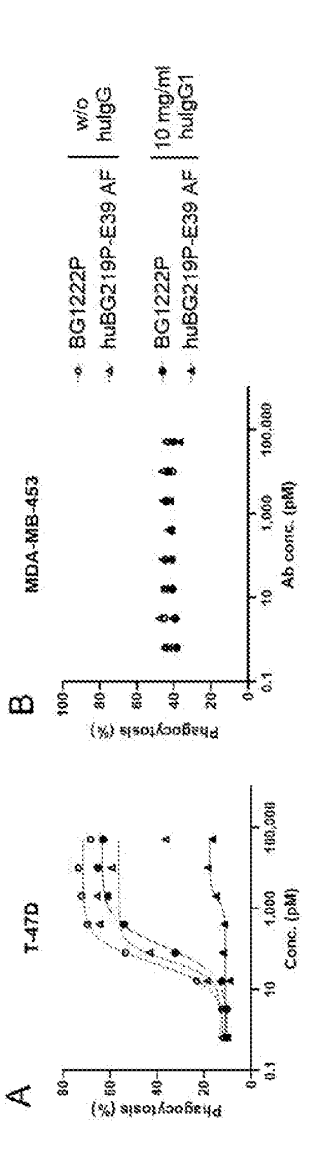

Figure 22

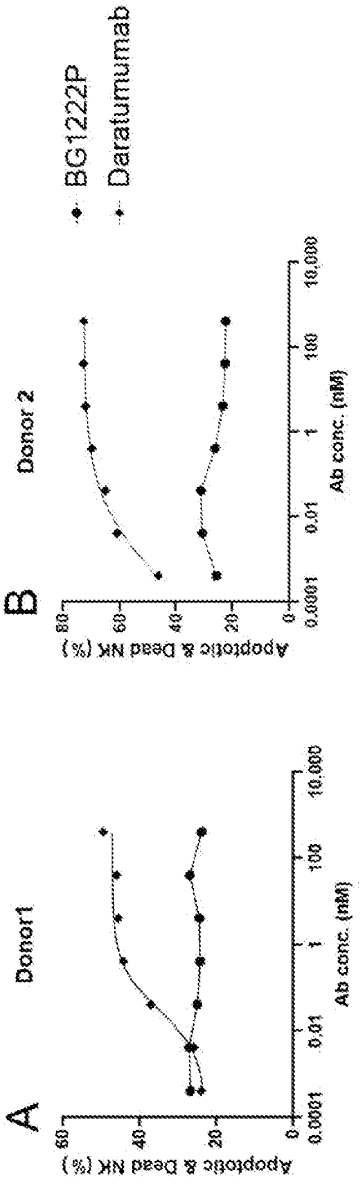

Figure 23

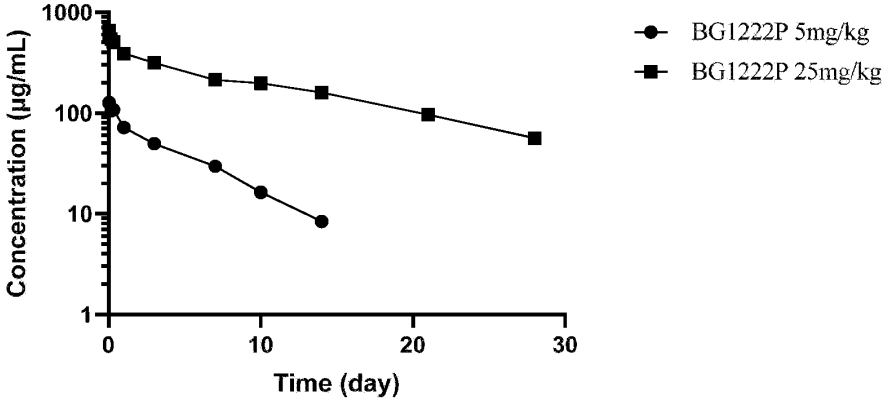

Figure 24

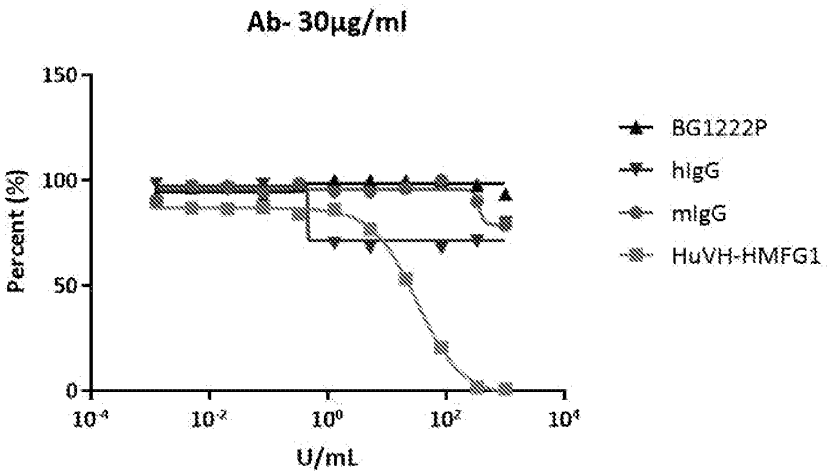

Figure 25A

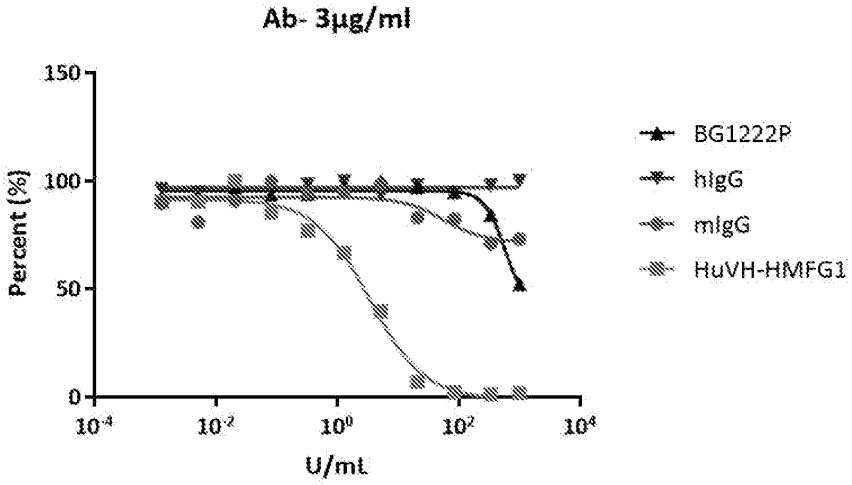

Figure 25B

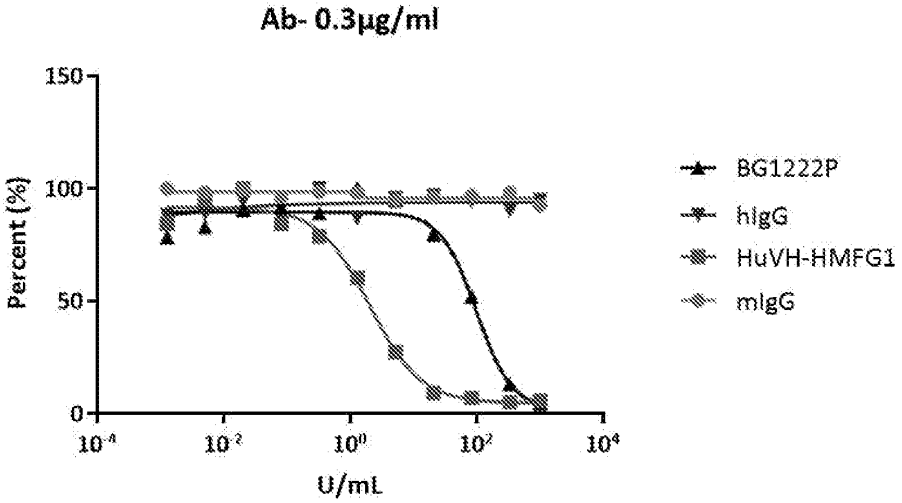

Figure 25C