DRAWINGS

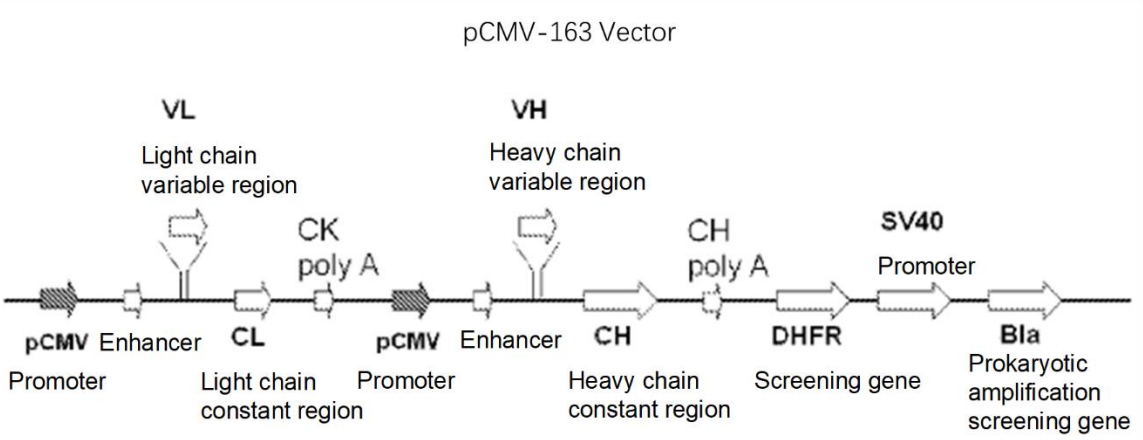


Fig. 1

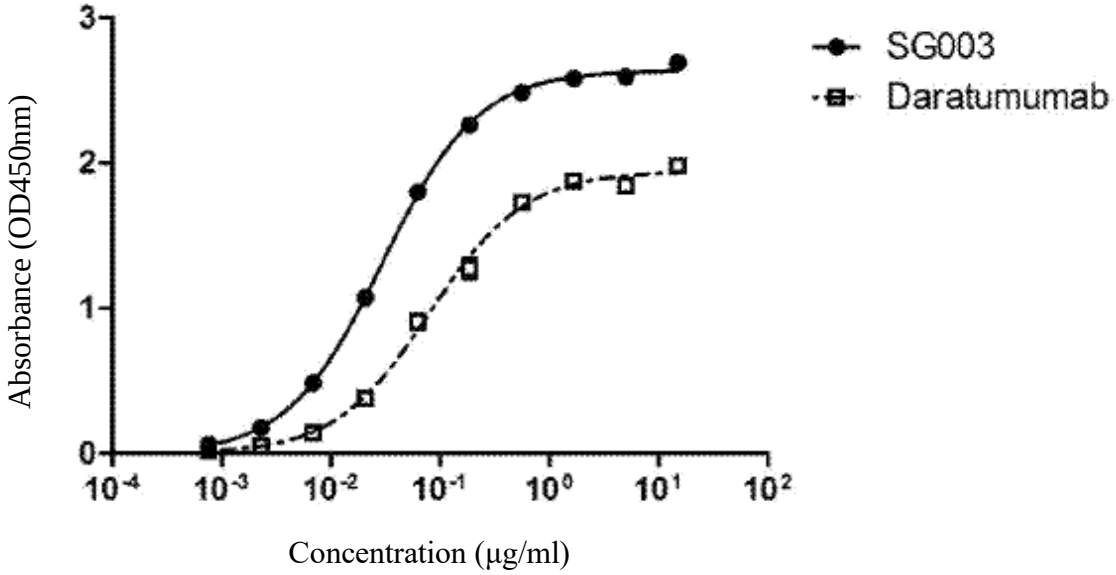

SG003
Daratumumab
Absorbance (OD450nm)
Concentration (μg/ml)
3
2
1
0
10-4
10-3
10-2
10-1
100
101
102

Fig. 2

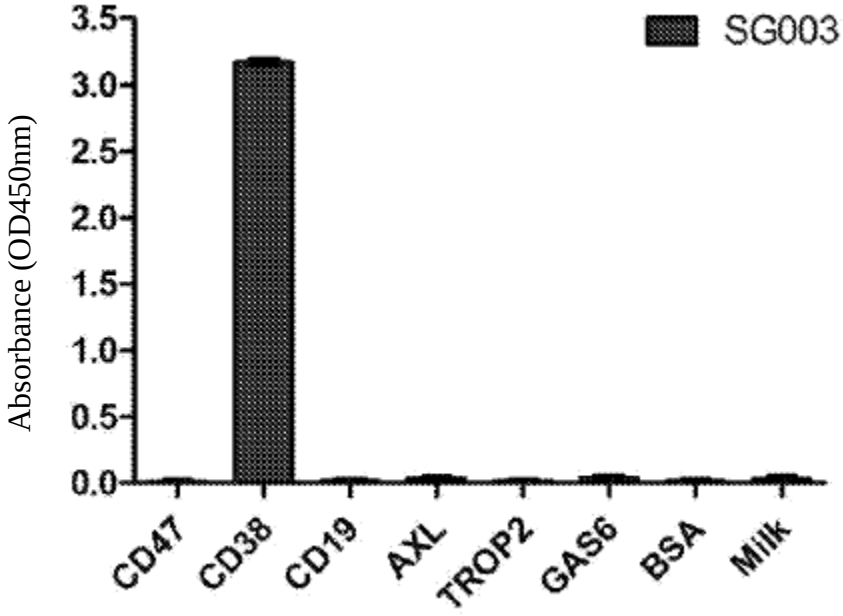

SG003
Absorbance (OD450nm)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
CD47
CD38
CD19
AXL
TROP2
GAS6
BSA
Milk

Fig. 3

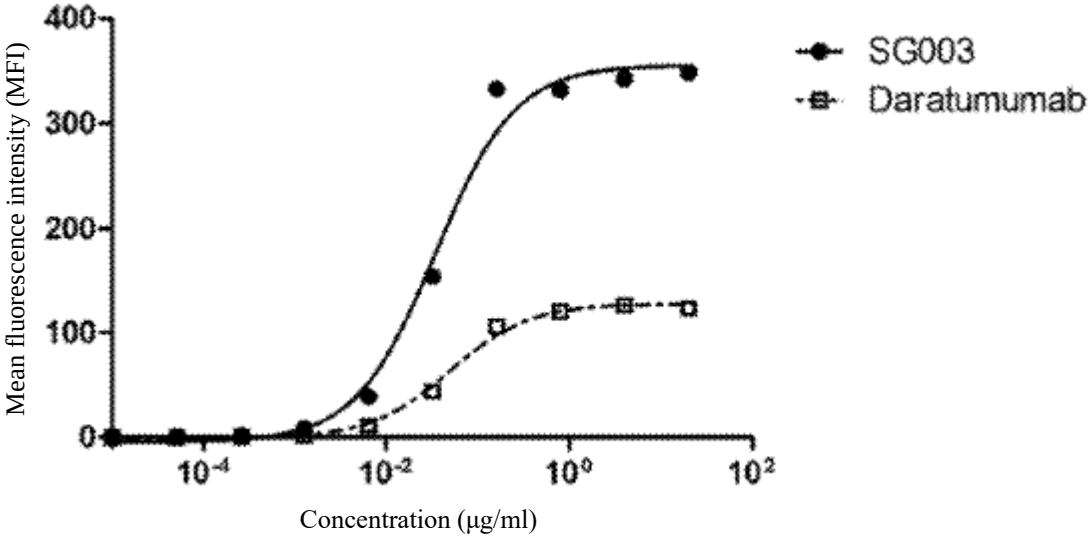

Mean fluorescence intensity (MFI)
400
300
200
100
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Concentration (μg/ml)
SG003
Daratumumab

Fig. 4A

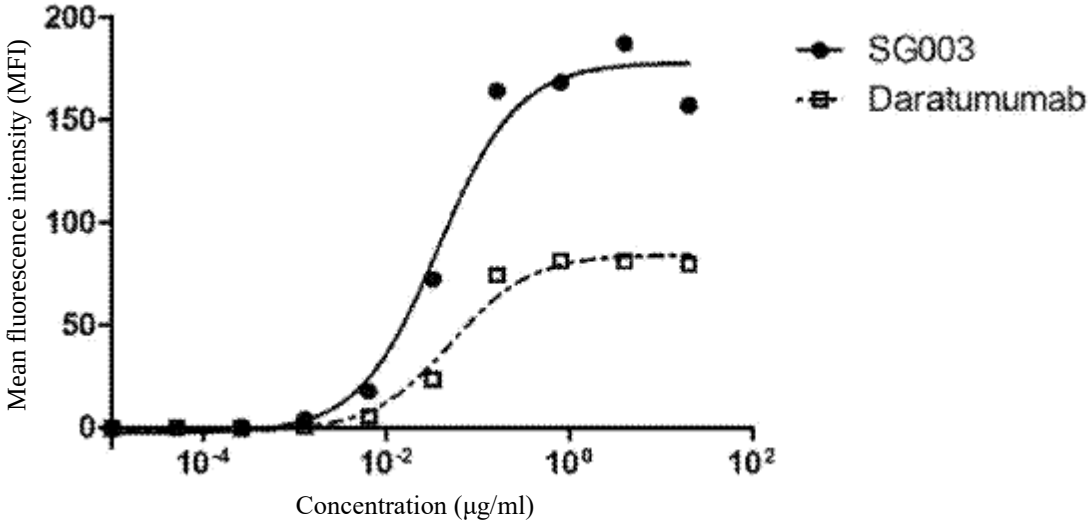

Mean fluorescence intensity (MFI)
200
150
100
50
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Concentration (μg/ml)
SG003
Daratumumab

Fig. 4B

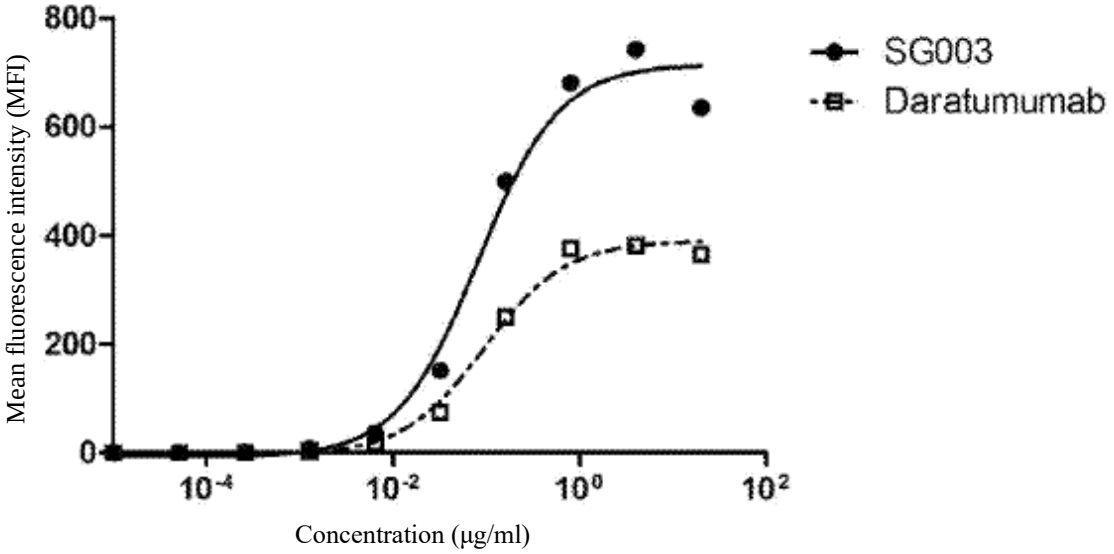

800
600
400
200
0
Mean fluorescence intensity (MFI)
10^{-4}
10^{-2}
10^{0}
10^{2}
Concentration (μg/ml)
SG003
Daratumumab

Fig. 4C

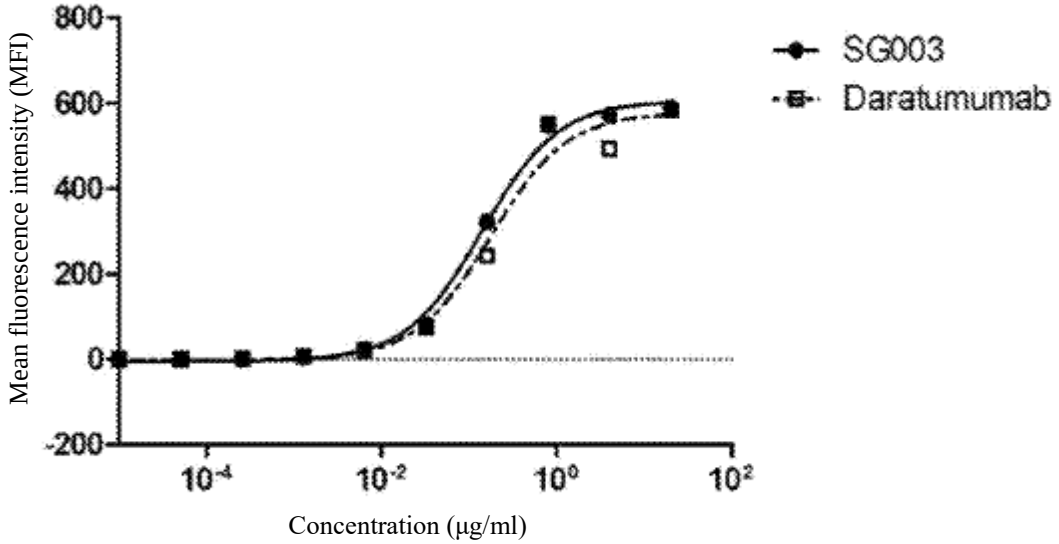

800
600
400
200
0
-200
Mean fluorescence intensity (MFI)
10^{-4}
10^{-2}
10^{0}
10^{2}
Concentration (μg/ml)
SG003
Daratumumab

Fig. 4D

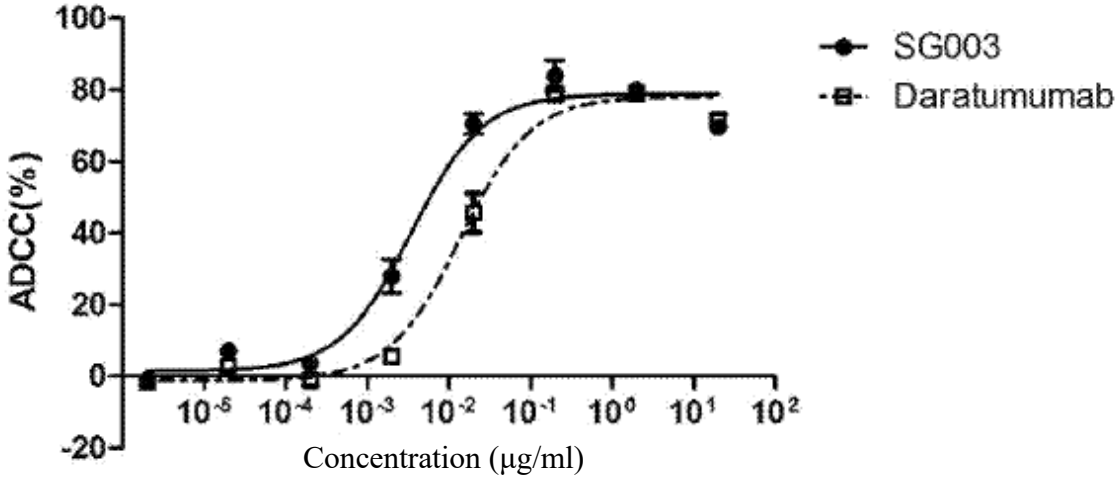

100
80
60
40
20
0
-20
ADCC(%)
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2}
Concentration (μg/ml)
SG003
Daratumumab

Fig. 5A

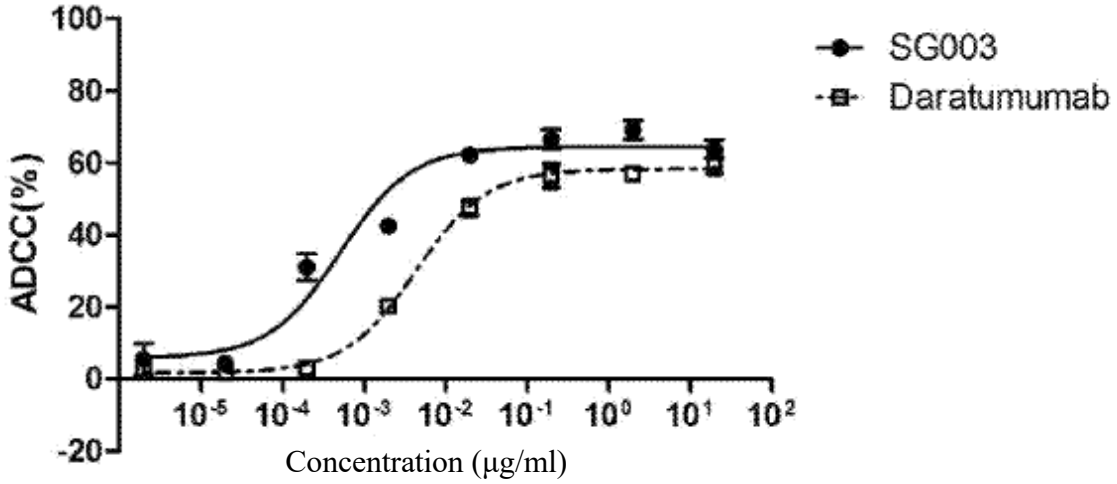

100
80
60
40
20
0
-20
ADCC(%)
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2}
Concentration (μg/ml)
SG003
Daratumumab

Fig. 5B

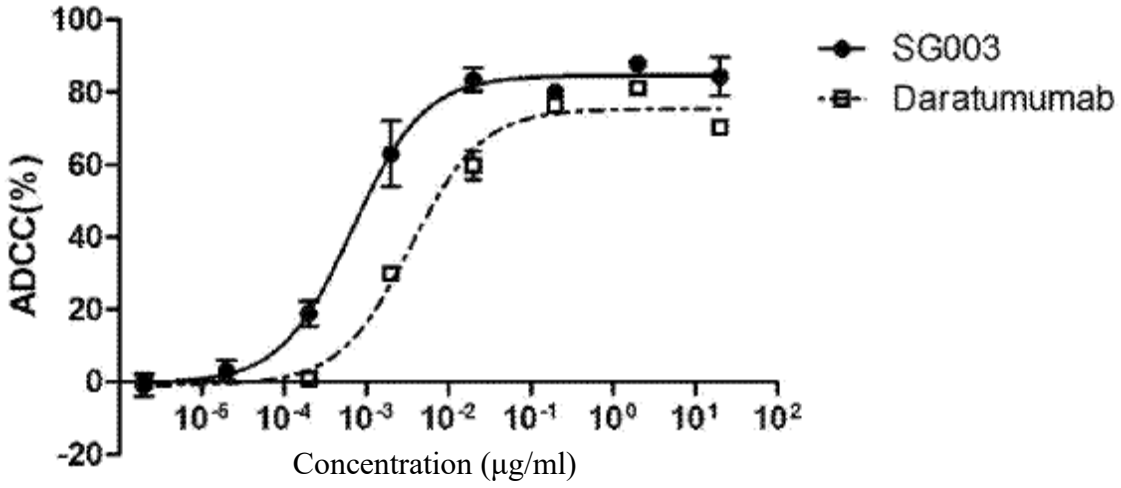

100
80
60
40
20
0
-20
ADCC(%)
10-5
10-4
10-3
10-2
10-1
100
101
102
Concentration (μg/ml)
SG003
Daratumumab

Fig. 5C

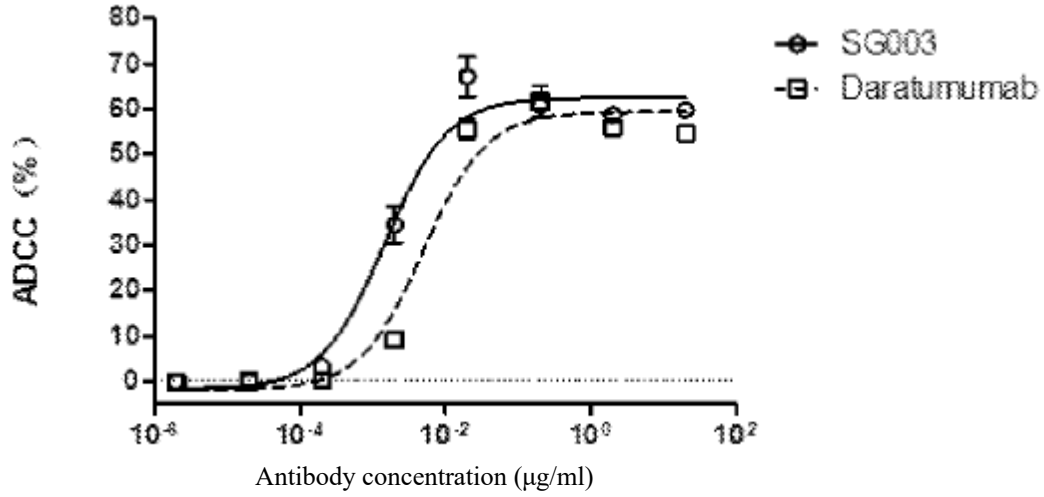

80
70
60
50
40
30
20
10
0
ADCC (%)
10-6
10-4
10-2
100
102
Antibody concentration (μg/ml)
SG003
Daratumumab

Fig. 5D

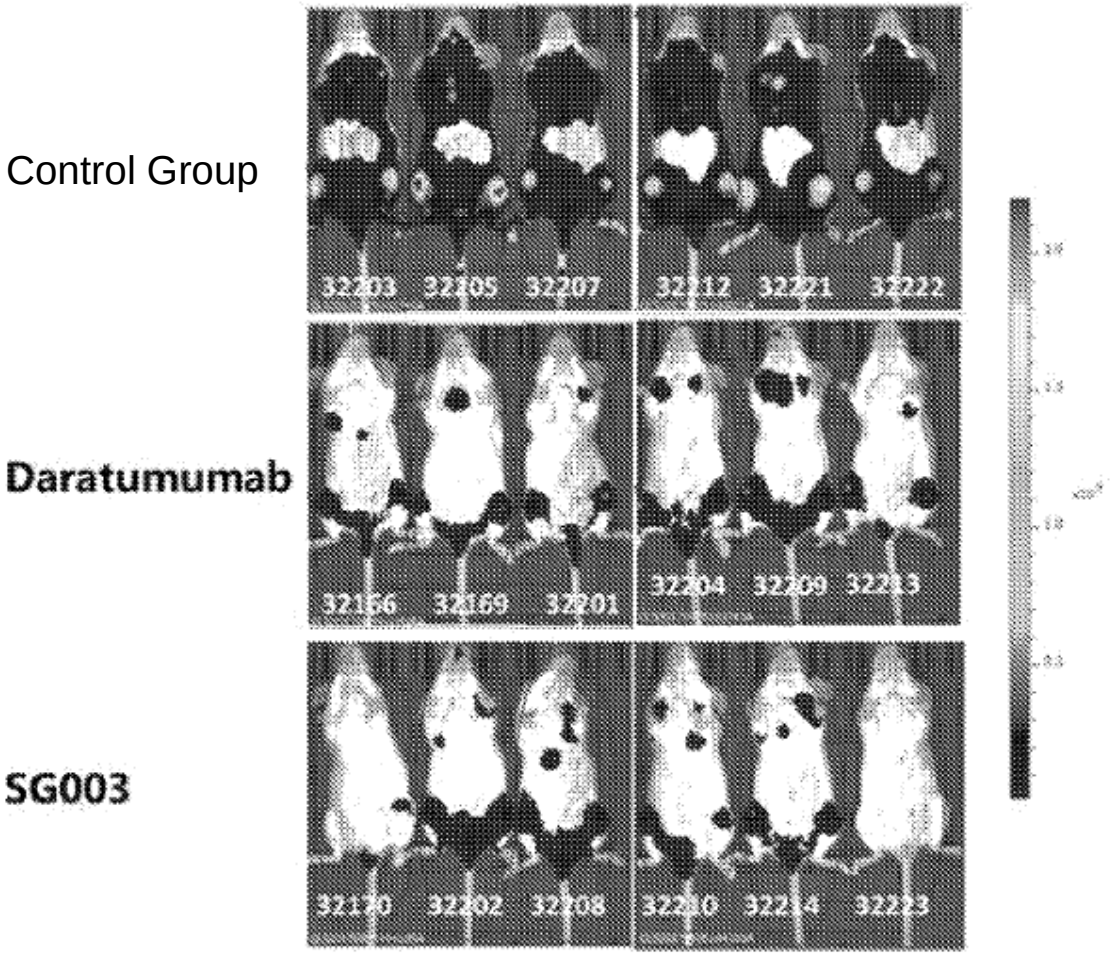

Control Group
Daratumumab
SG003
32203 32205 32207
32212 32221 32222
32166 32169 32201
32204 32209 32213
32170 32202 32208
32210 32214 32223

Fig. 6

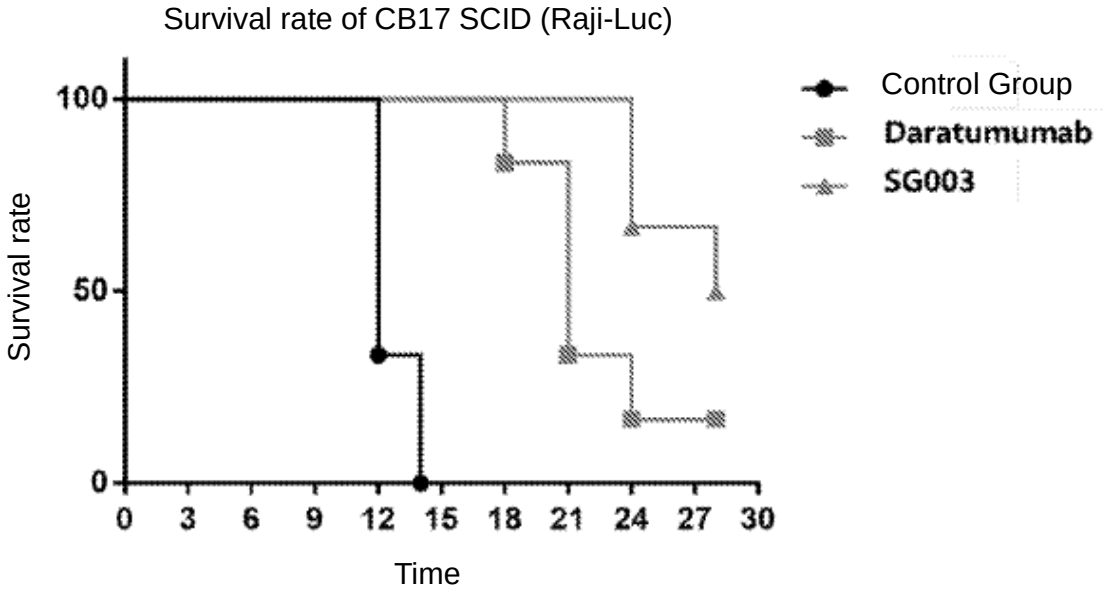
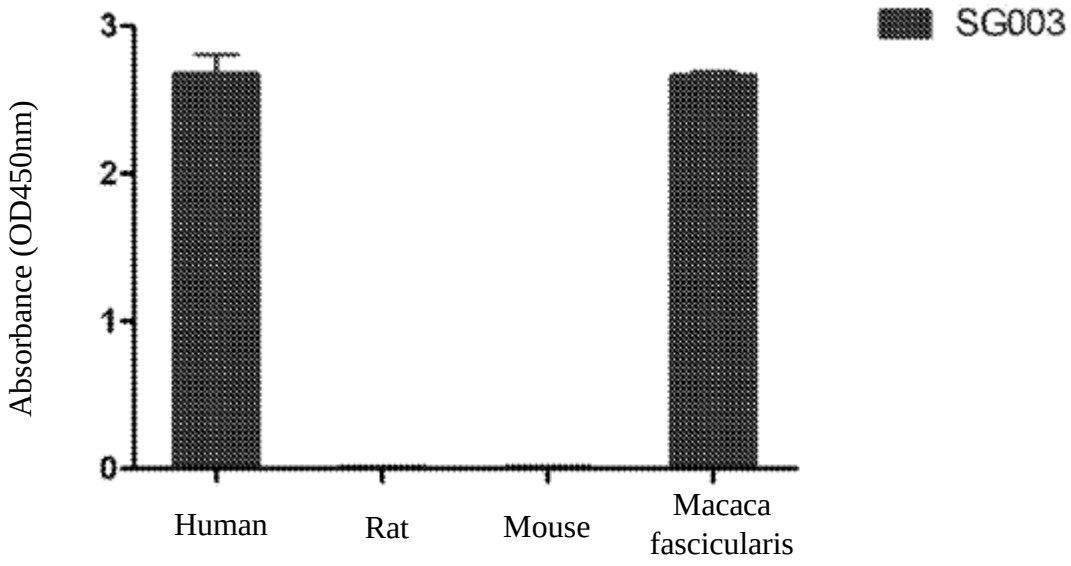
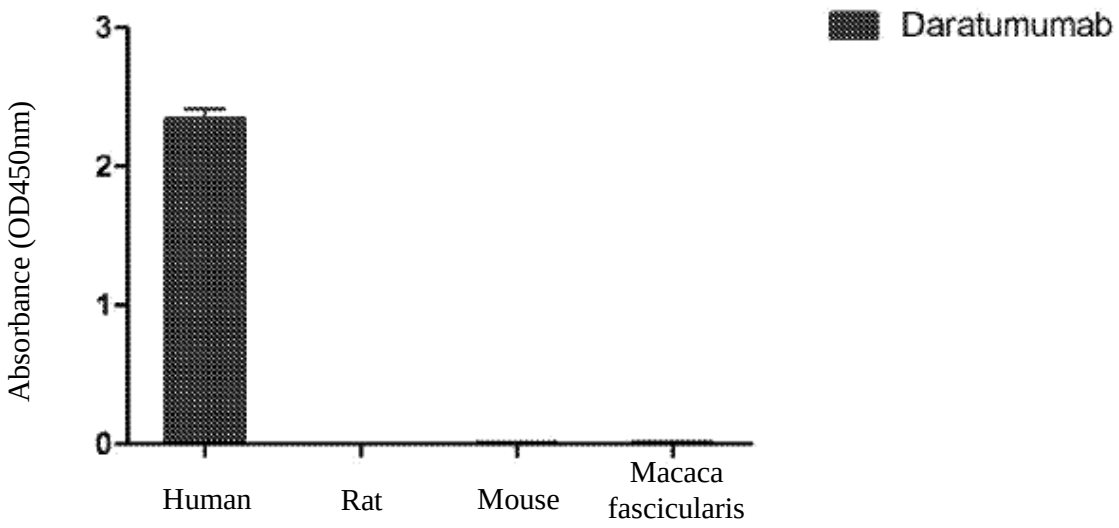

Survival rate of CB17 SCID (Raji-Luc)
Survival rate
100
50
0
0 3 6 9 12 15 18 21 24 27 30
Time
Control Group
Daratumumab
SG003

Fig. 7


SG003
Absorbance (OD450nm)
3
2
1
0
Human
Rat
Mouse
Macaca fascicularis

Figs. 8A


Daratumumab
Absorbance (OD450nm)
3
2
1
0
Human
Rat
Mouse
Macaca fascicularis

Figs. 8B

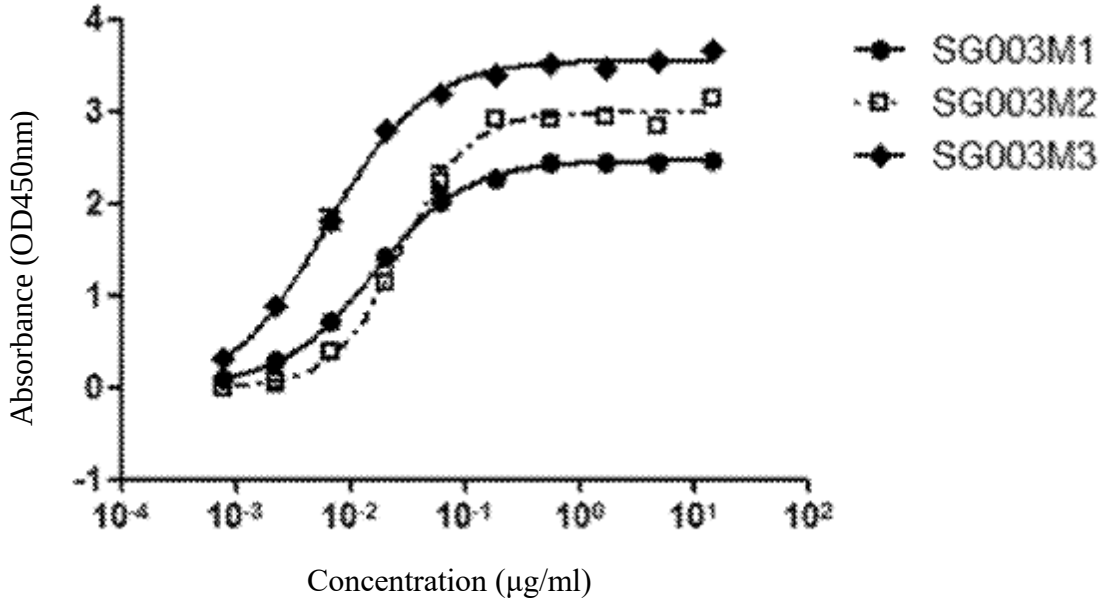

SG003M1
SG003M2
SG003M3
Absorbance (OD450nm)
4
3
2
1
0
-1
10-4
10-3
10-2
10-1
100
101
102
Concentration (μg/ml)

Fig. 9

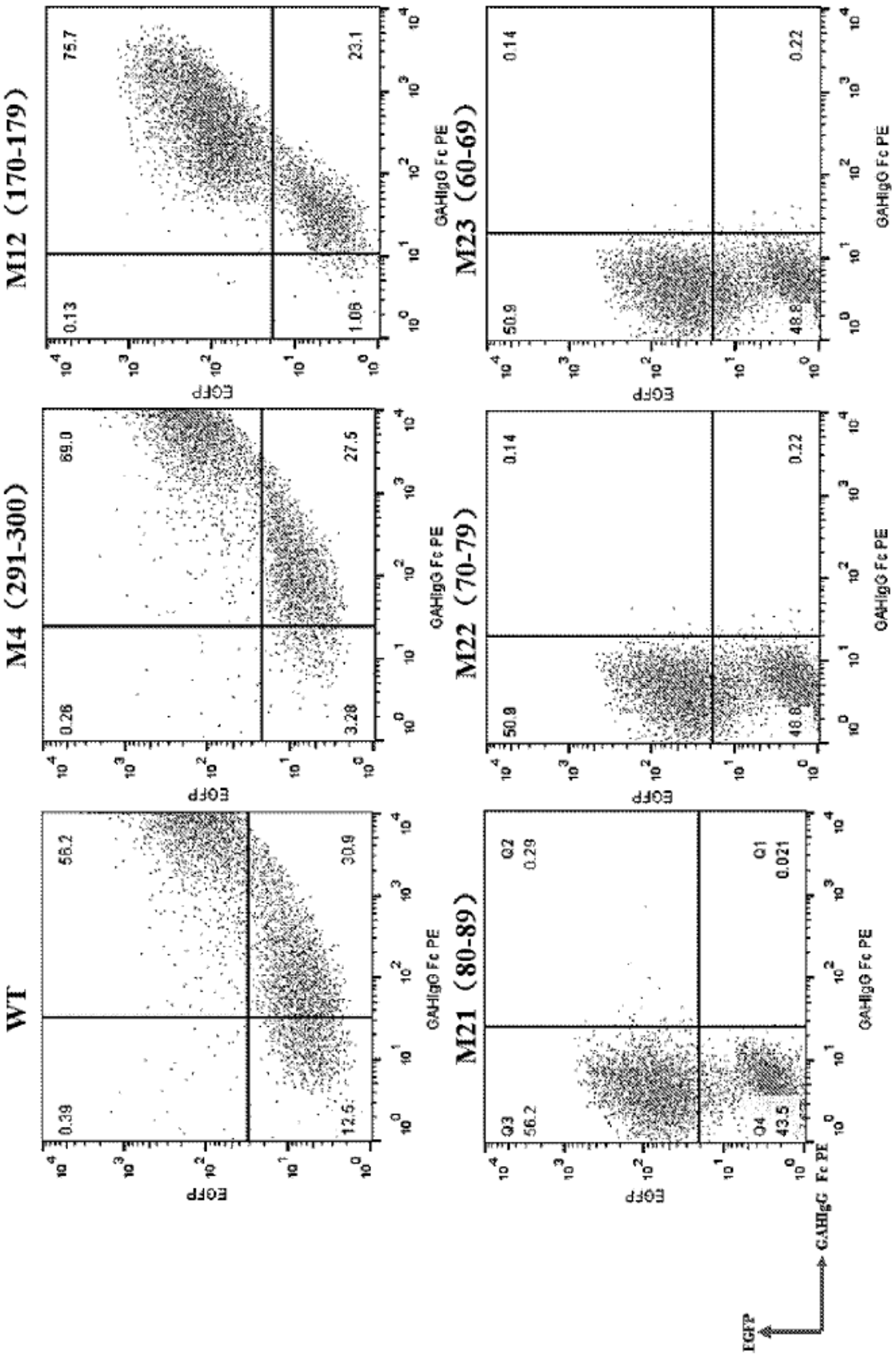

WT
M4 (291-300)
M12 (170-179)
M21 (80-89)
M22 (70-79)
M23 (60-69)
EGFP
GAHIgG Fc PE
0.39
56.2
30.9
12.5
0.26
69.0
27.5
3.28
0.13
75.7
23.1
1.06
Q3
56.2
Q2
0.29
Q1
0.021
Q4
43.5
50.9
0.14
48.8
0.22

Fig. 10