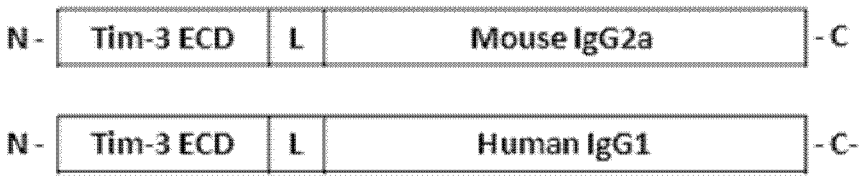
N -
Tim-3 ECD
L
Mouse IgG2a
- C
N -
Tim-3 ECD
L
Human IgG1
- C-

Fig. 1

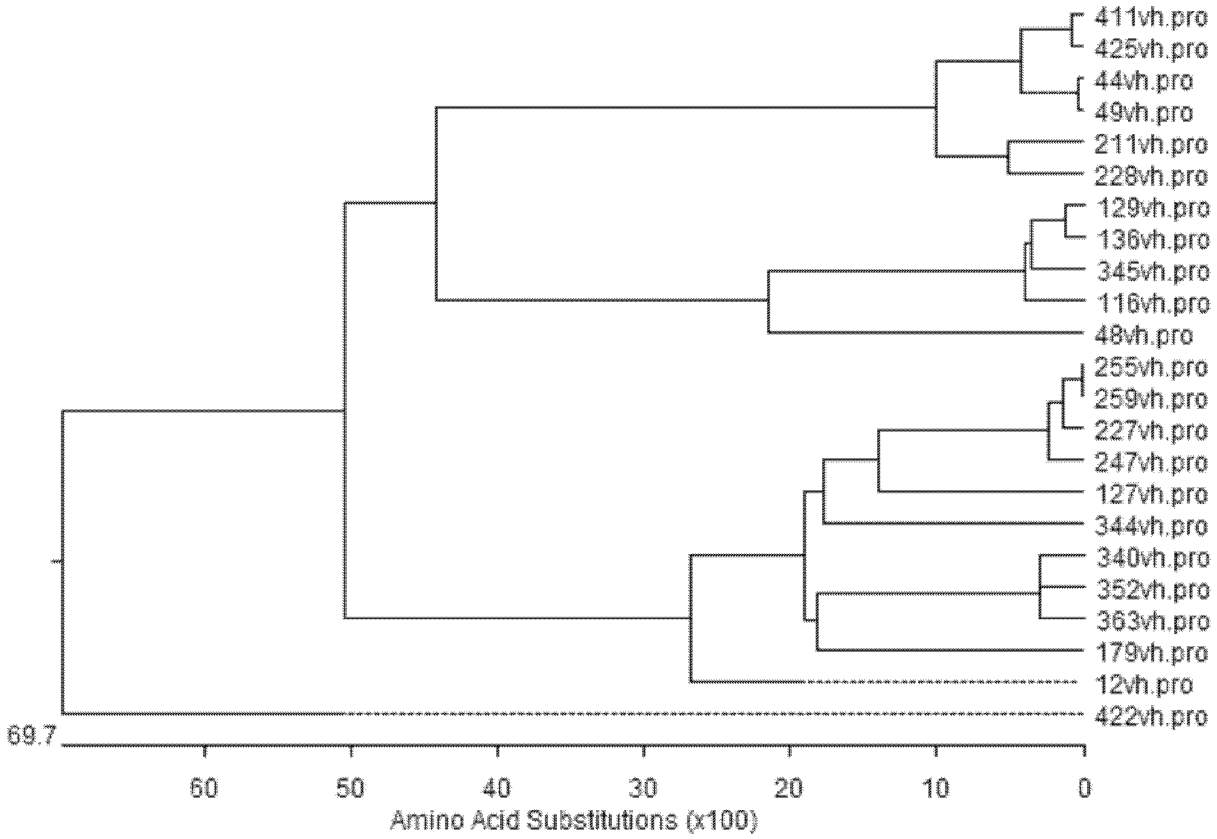
411vh.pro
425vh.pro
44vh.pro
49vh.pro
211vh.pro
228vh.pro
129vh.pro
136vh.pro
345vh.pro
116vh.pro
48vh.pro
255vh.pro
259vh.pro
227vh.pro
247vh.pro
127vh.pro
344vh.pro
340vh.pro
352vh.pro
363vh.pro
179vh.pro
12vh.pro
422vh.pro
69.7
60
50
40
30
20
10
0
Amino Acid Substitutions (x100)

Fig. 2 A

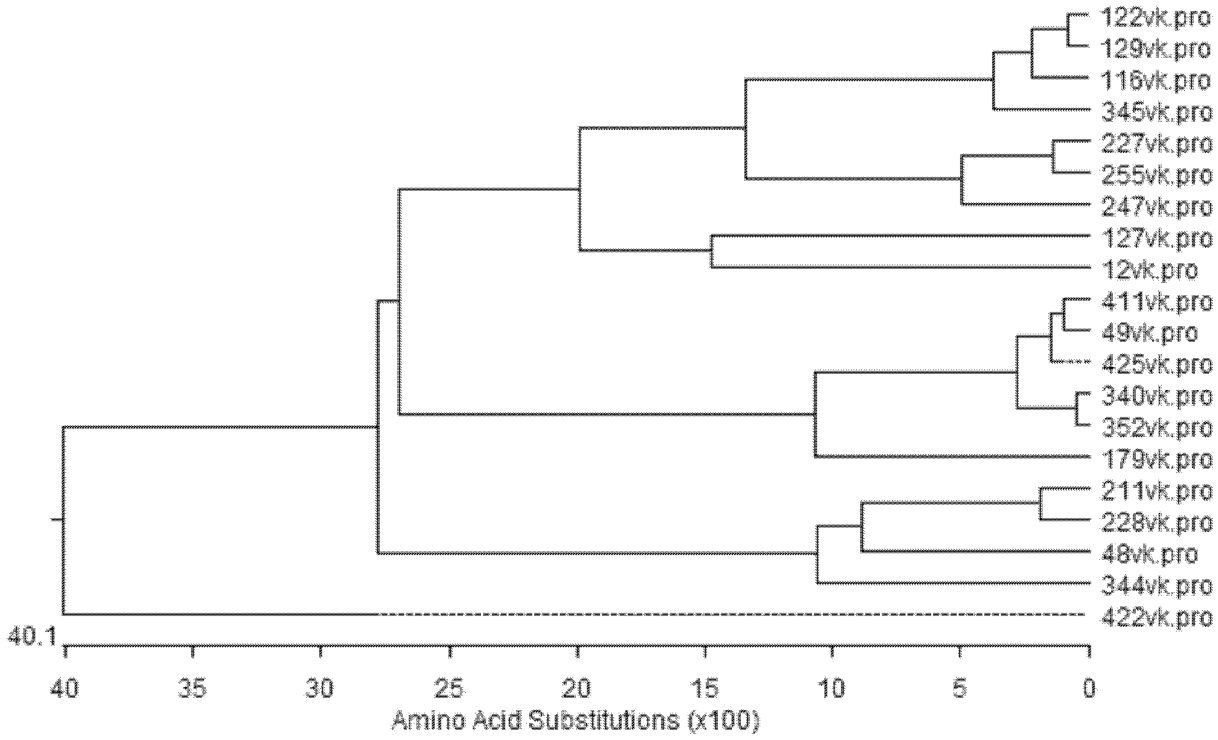
122vk.pro
129vk.pro
116vk.pro
345vk.pro
227vk.pro
255vk.pro
247vk.pro
127vk.pro
12vk.pro
411vk.pro
49vk.pro
425vk.pro
340vk.pro
352vk.pro
179vk.pro
211vk.pro
228vk.pro
48vk.pro
344vk.pro
422vk.pro
40.1
40
35
30
25
20
15
10
5
0
Amino Acid Substitutions (x100)

Fig. 2 B

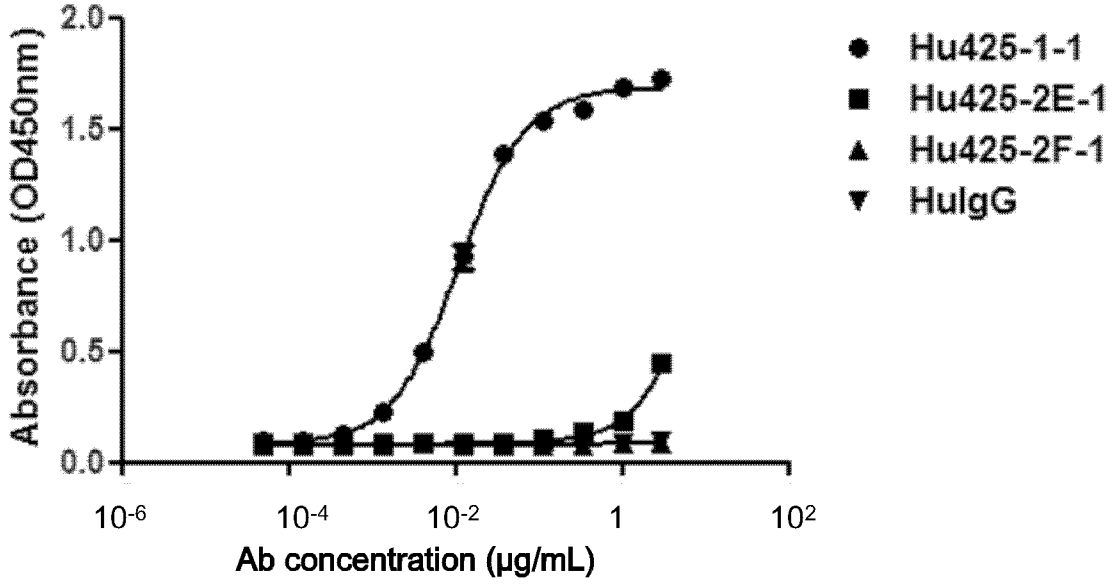
Absorbance (OD450nm)
2.0
1.5
1.0
0.5
0.0
10-6
10-4
10-2
1
102
Ab concentration (μg/mL)
Hu425-1-1
Hu425-2E-1
Hu425-2F-1
HulgG

Fig. 3

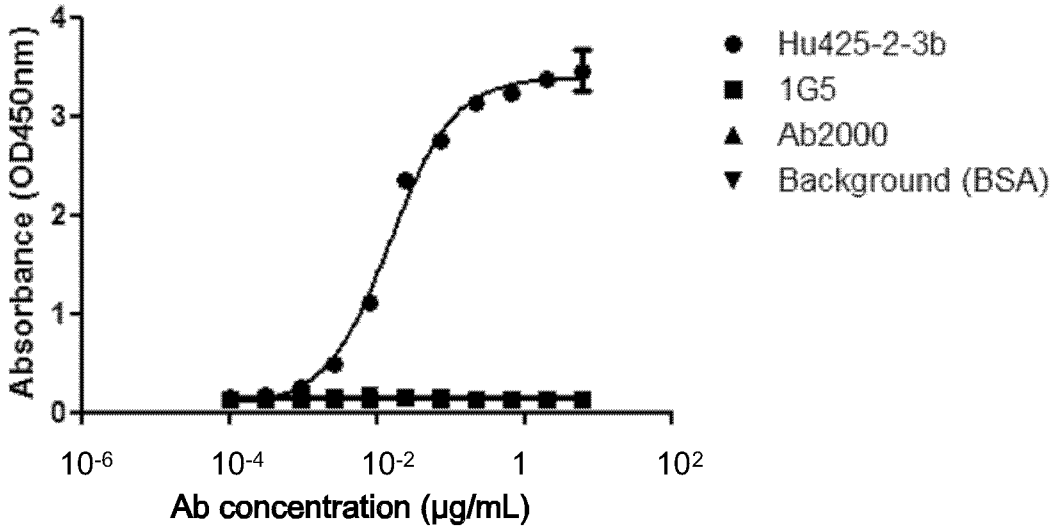
Absorbance (OD450nm)
0
1
2
3
4
10-6
10-4
10-2
1
102
Ab concentration (μg/mL)
Hu425-2-3b
1G5
Ab2000
Background (BSA)

Fig. 4

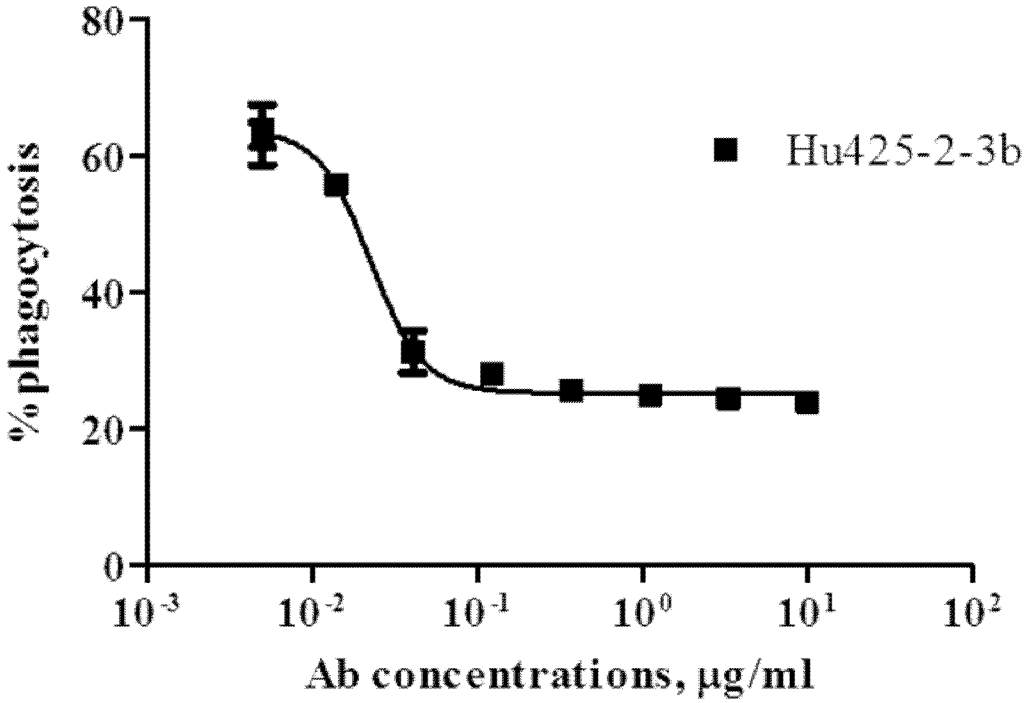
% phagocytosis
0
20
40
60
80
10-3
10-2
10-1
100
101
102
Ab concentrations, μg/ml
Hu425-2-3b

Fig. 5

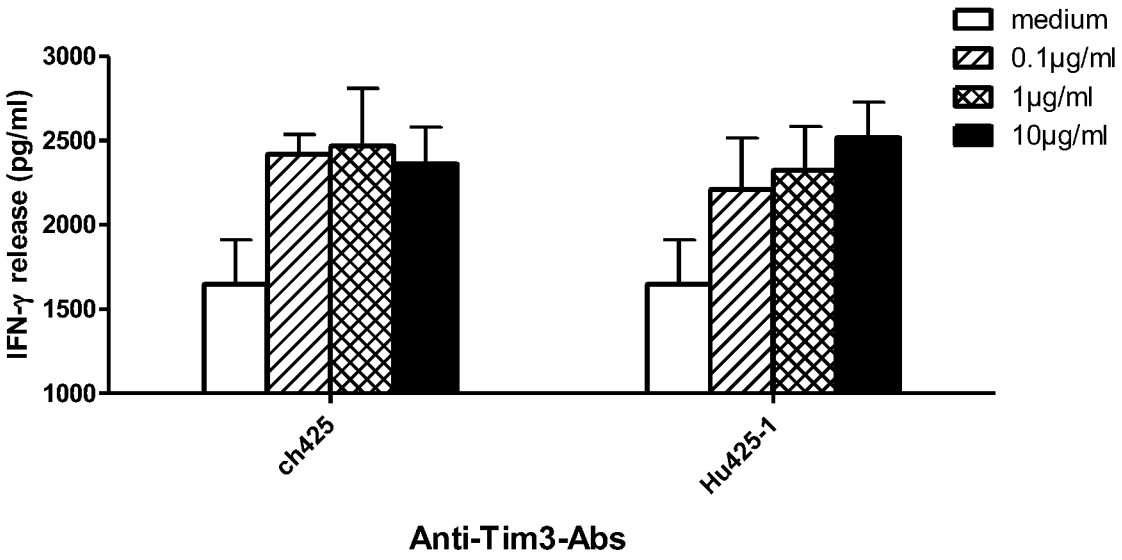
medium
0.1μg/ml
1μg/ml
10μg/ml
IFN-γ release (pg/ml)
3000
2500
2000
1500
1000
ch425
Hu425-1
Anti-Tim3-Abs

Fig. 6

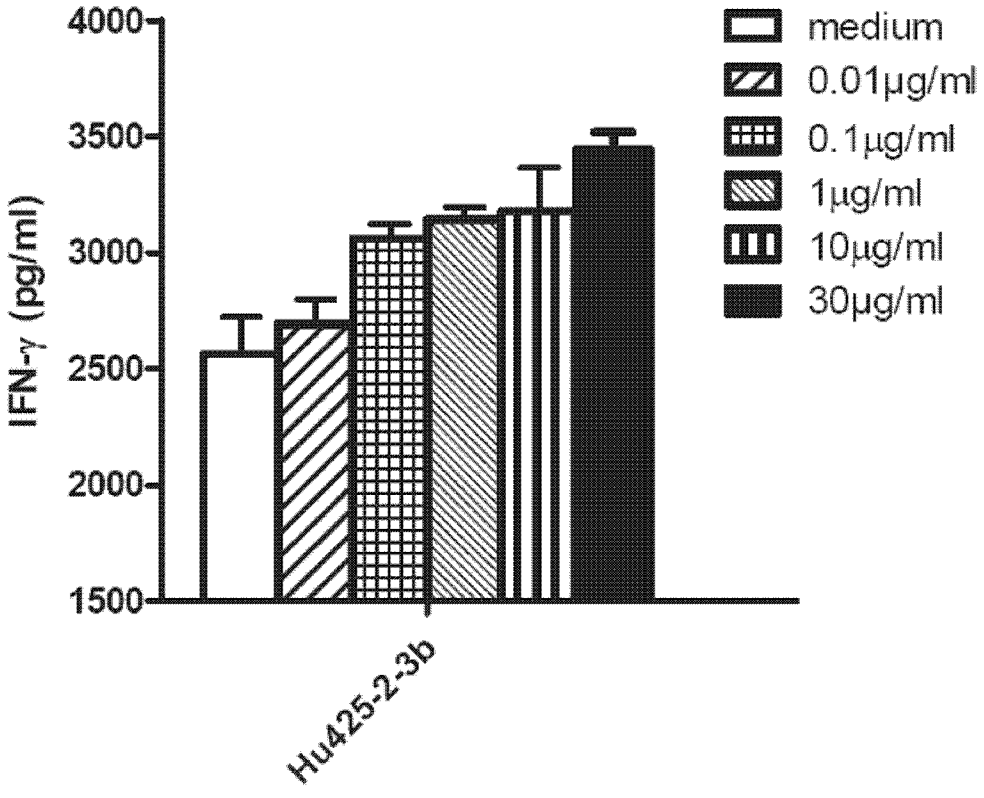
medium
0.01μg/ml
0.1μg/ml
1μg/ml
10μg/ml
30μg/ml
IFN-γ (pg/ml)
4000
3500
3000
2500
2000
1500
Hu425-2-3b

Fig. 7

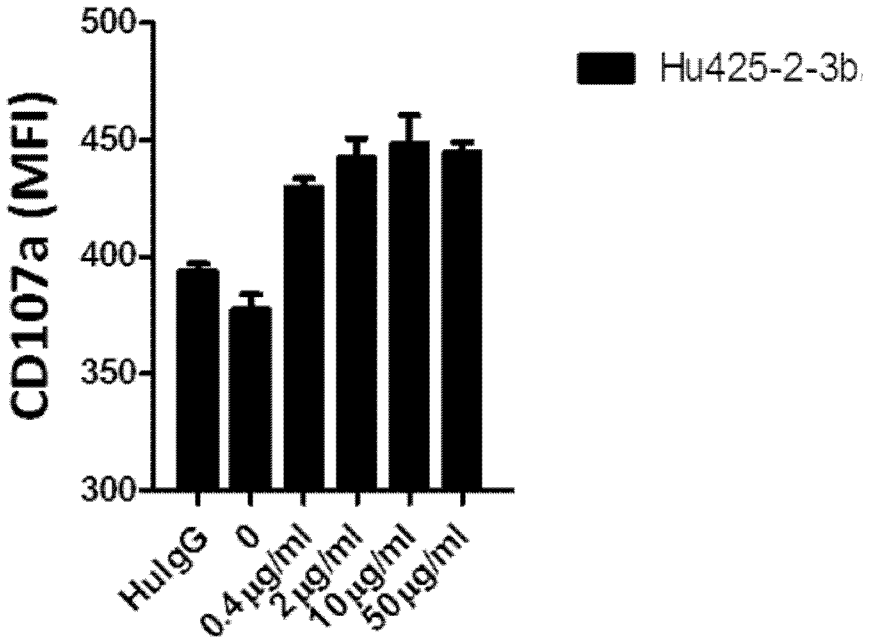
500
450
400
350
300
CD107a (MFI)
Hu425-2-3b
HuIgG
0
0.4μg/ml
2μg/ml
10μg/ml
50μg/ml

Fig. 8 A

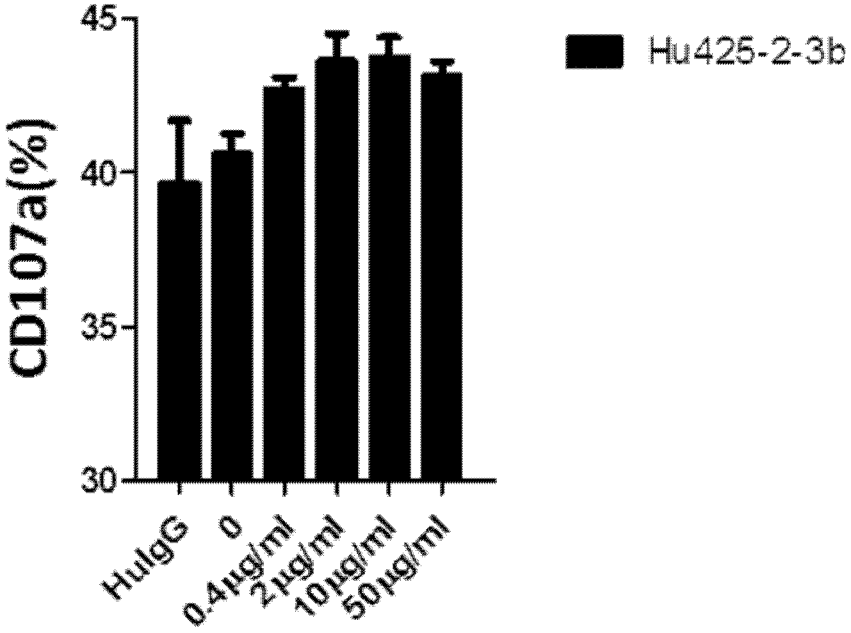
45
40
35
30
CD107a(%)
Hu425-2-3b
HuIgG
0
0.4μg/ml
2μg/ml
10μg/ml
50μg/ml

Fig. 8 B

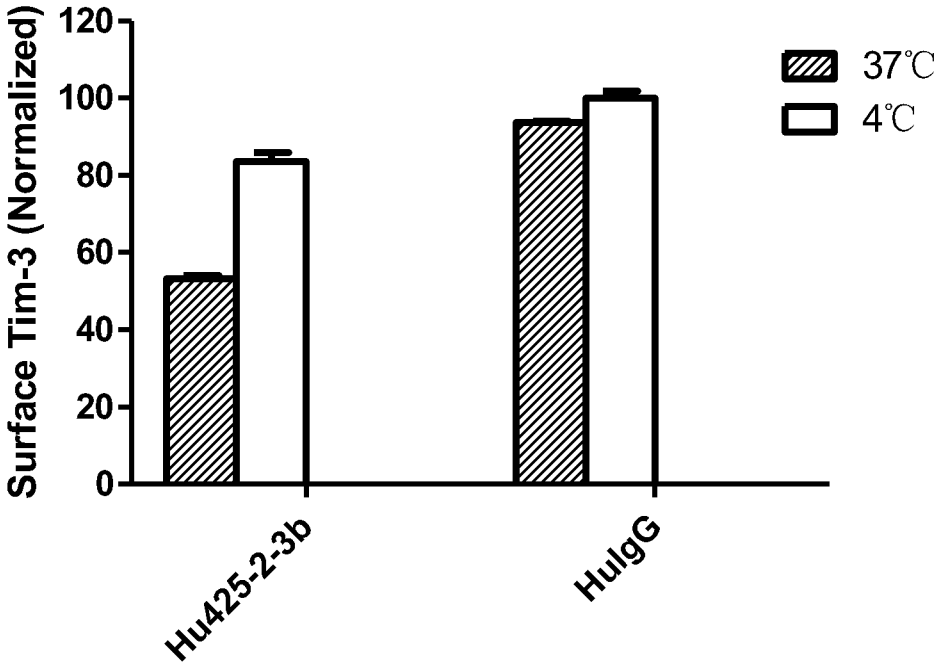
Surface Tim-3 (Normalized)
120
100
80
60
40
20
0
37℃
4℃
Hu425-2-3b
HuIgG

Fig. 9

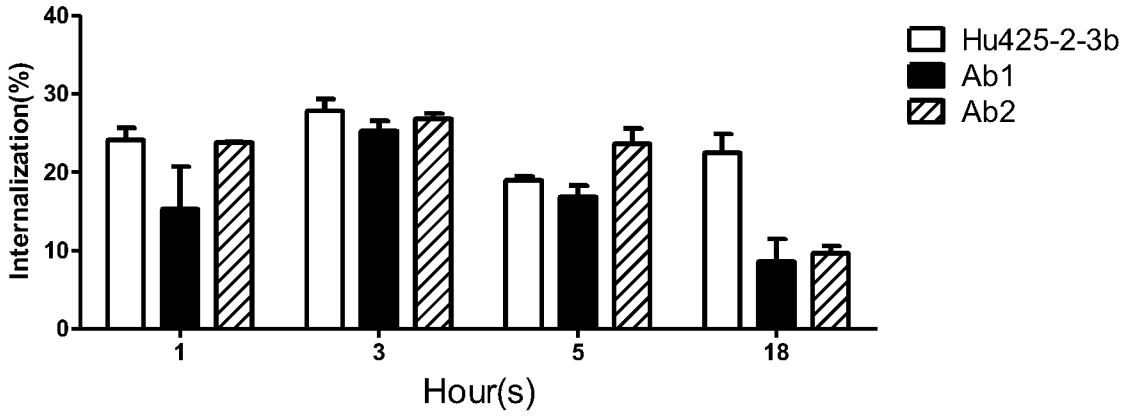
Internalization(%)
40
30
20
10
0
1
3
5
18
Hour(s)
Hu425-2-3b
Ab1
Ab2

Fig. 10

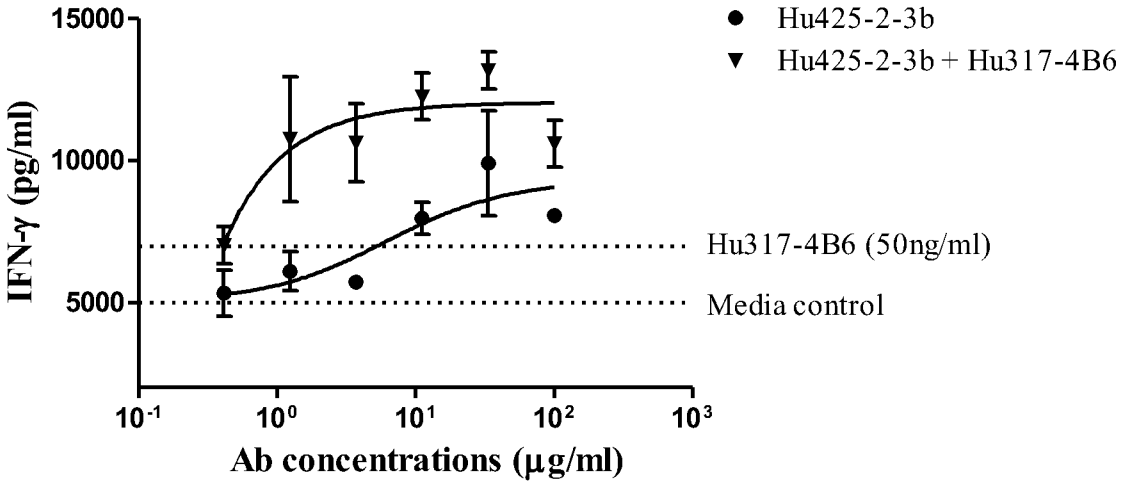

Fig. 11

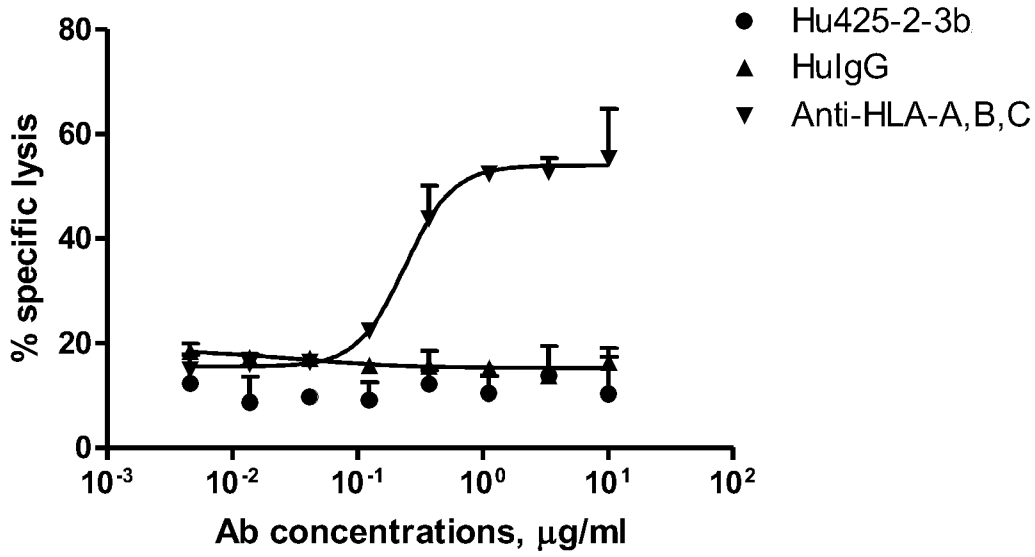

Fig. 12 A

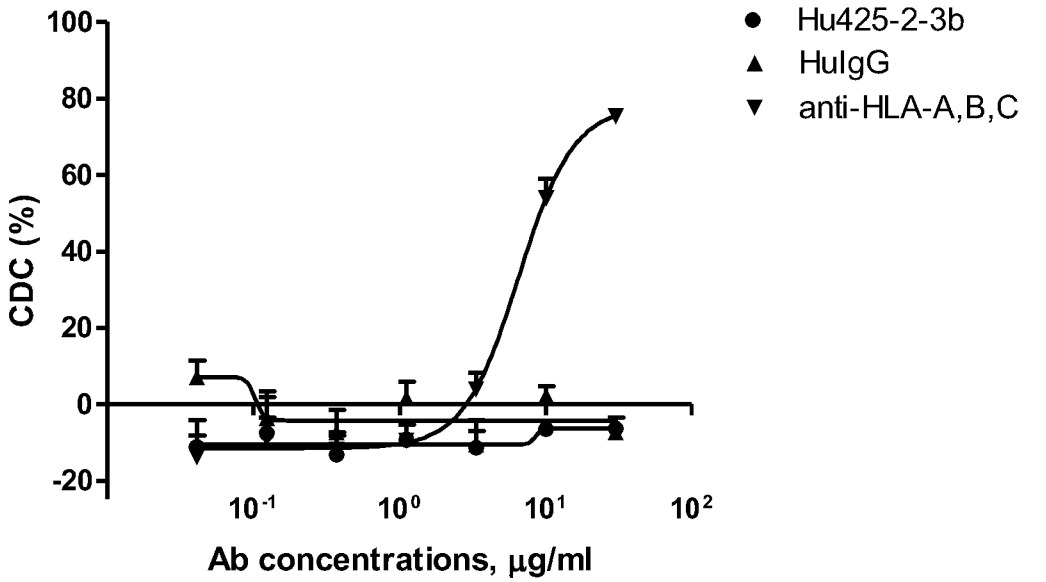

Fig. 12 B

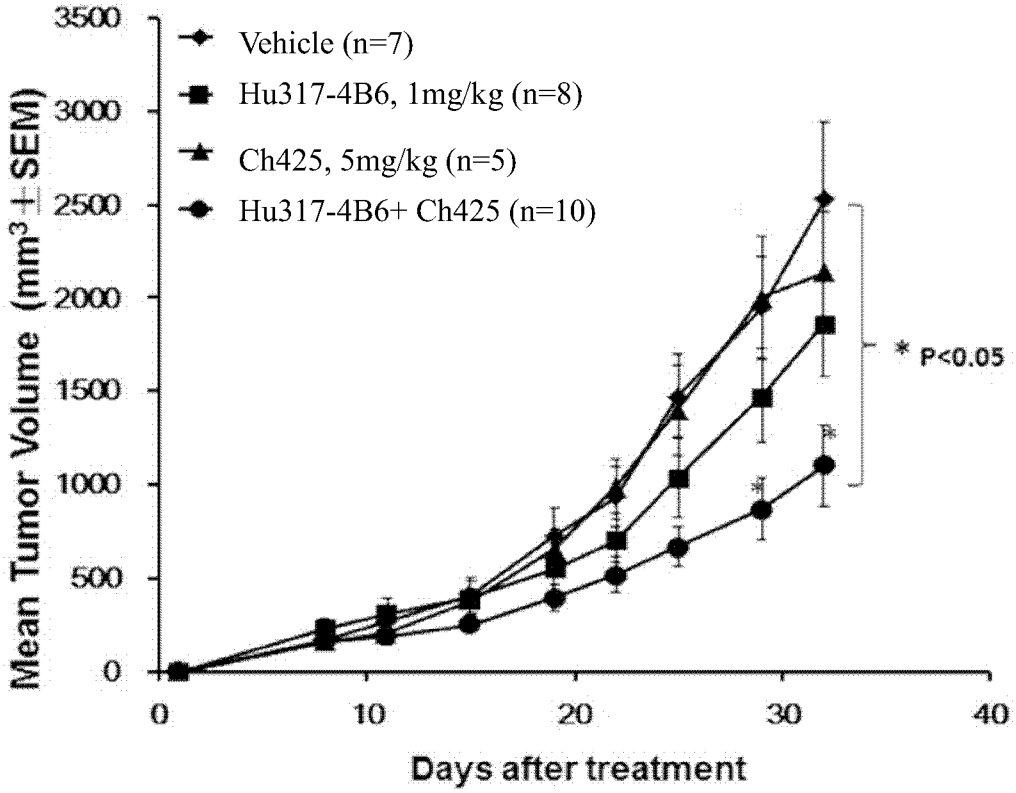

Fig. 13