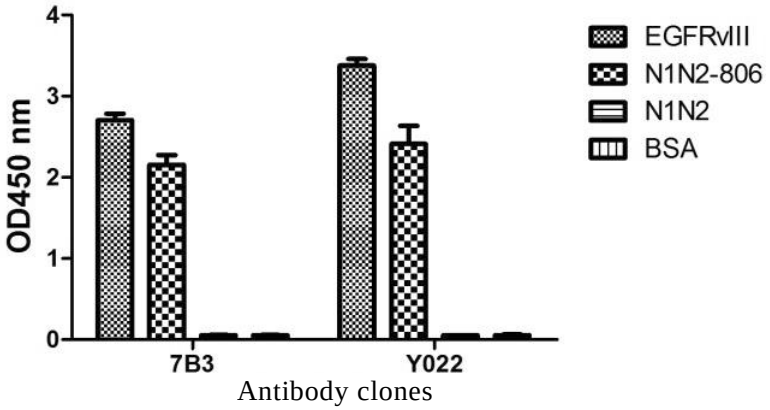

Fig. 1

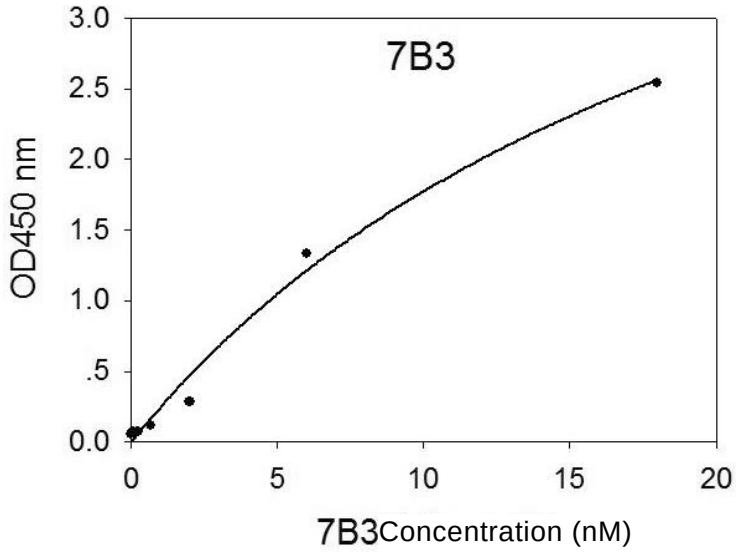

Fig. 2

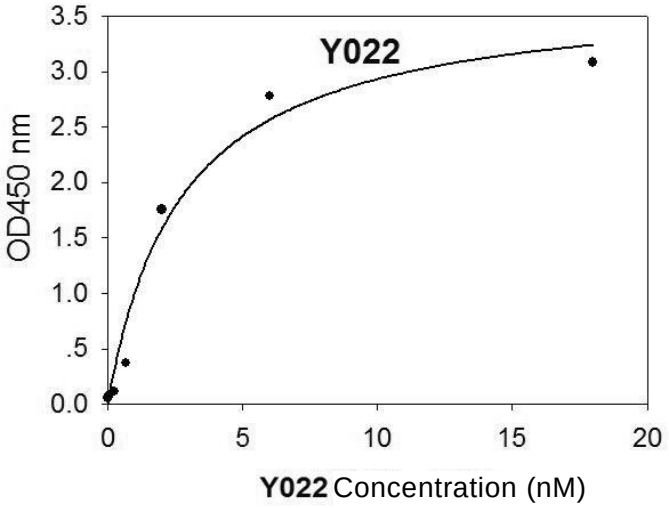

Fig. 3

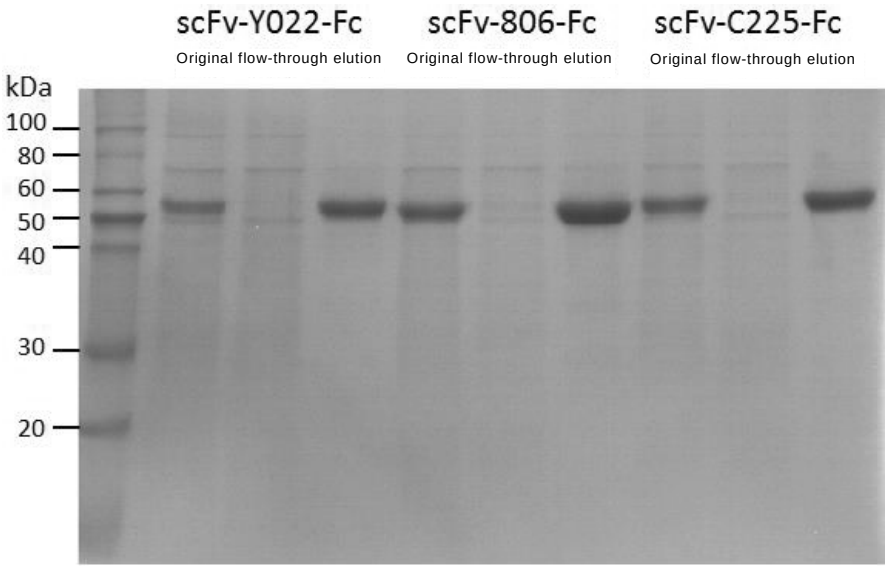
scFv-Y022-Fc
Original flow-through elution
scFv-806-Fc
Original flow-through elution
scFv-C225-Fc
Original flow-through elution
kDa
100
80
60
50
40
30
20

Fig. 4

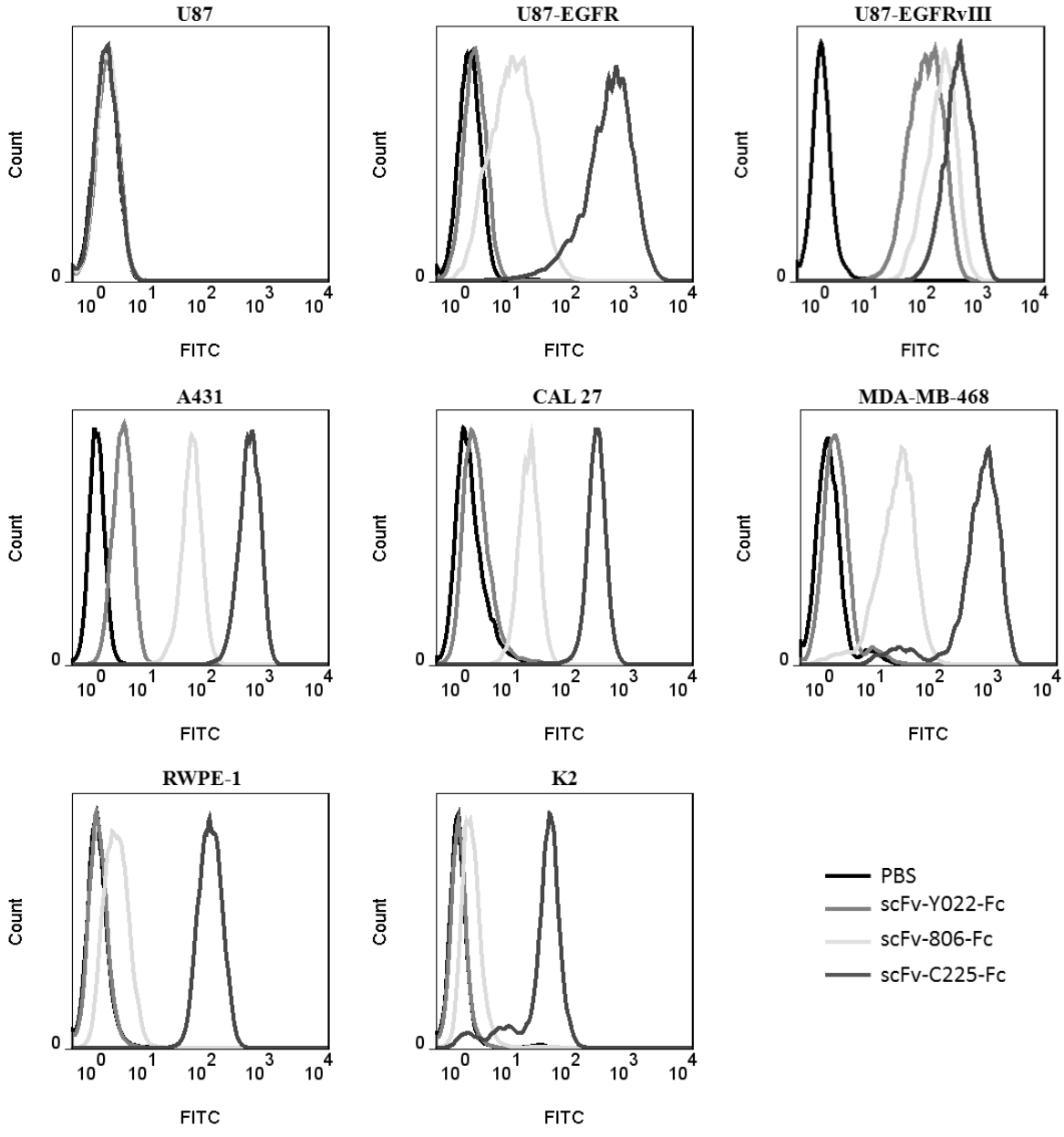
U87
U87-EGFR
U87-EGFRvIII
A431
CAL 27
MDA-MB-468
RWPE-1
K2
Count
FITC
PBS
scFv-Y022-Fc
scFv-806-Fc
scFv-C225-Fc

Fig. 5

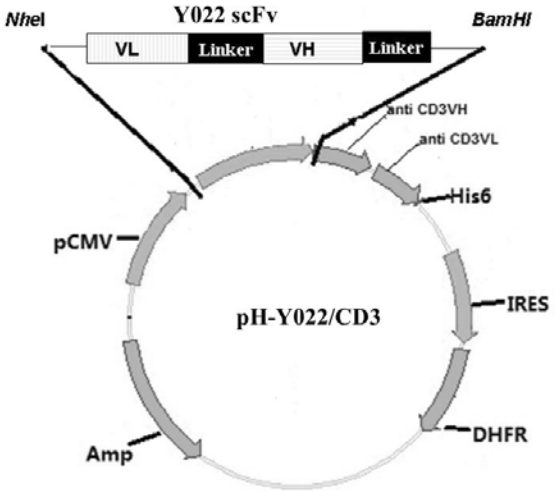

Fig. 6

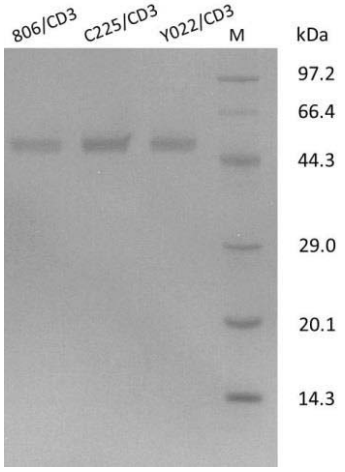

Fig. 7

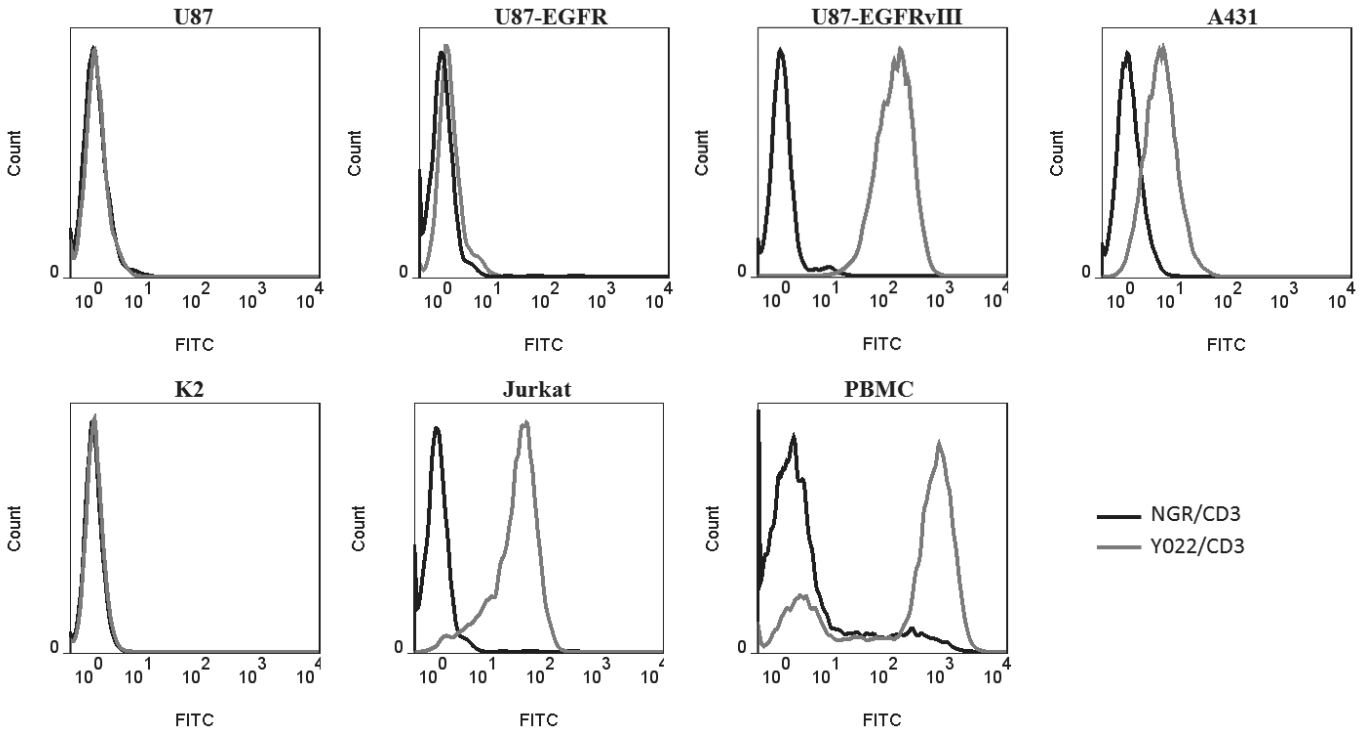

Fig. 8

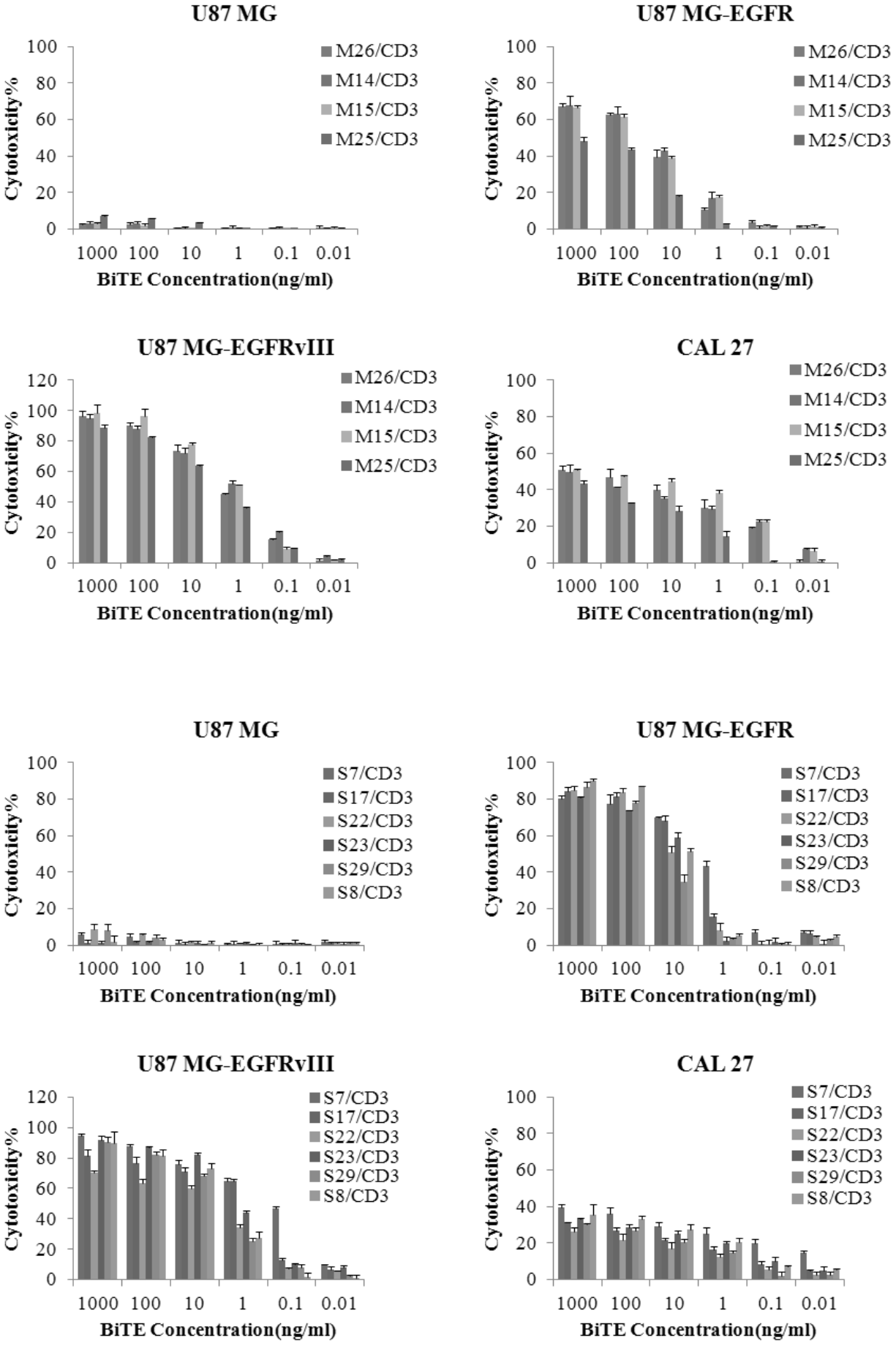
U87 MG
U87 MG-EGFR
U87 MG-EGFRvIII
CAL 27
Cytotoxicity%
BiTE Concentration(ng/ml)
1000 100 10 1 0.1 0.01
M26/CD3
M14/CD3
M15/CD3
M25/CD3
S7/CD3
S17/CD3
S22/CD3
S23/CD3
S29/CD3
S8/CD3

Fig. 9

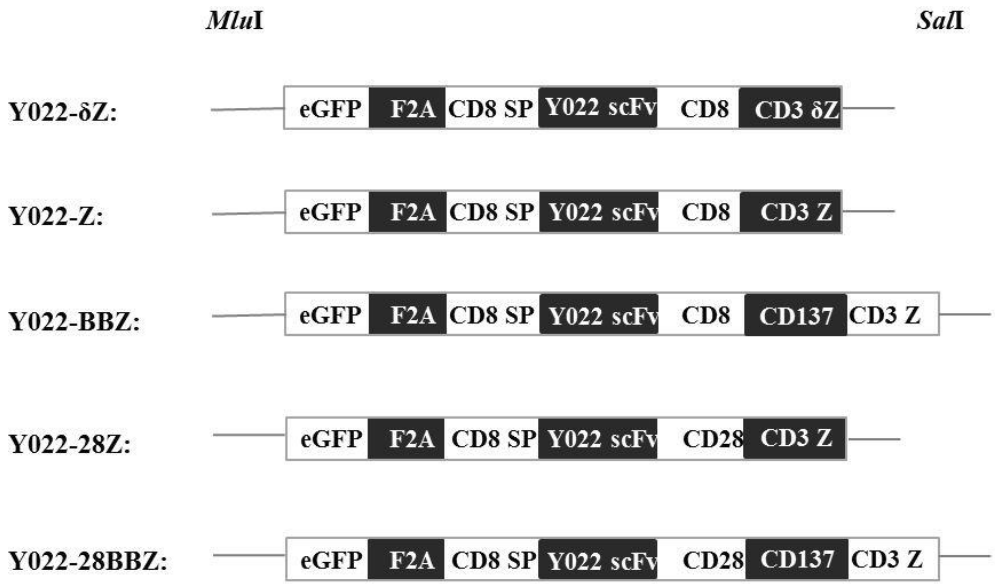
MluI
SalI
Y022-δZ:
eGFP
F2A
CD8 SP
Y022 scFv
CD8
CD3 δZ
Y022-Z:
eGFP
F2A
CD8 SP
Y022 scFv
CD8
CD3 Z
Y022-BBZ:
eGFP
F2A
CD8 SP
Y022 scFv
CD8
CD137
CD3 Z
Y022-28Z:
eGFP
F2A
CD8 SP
Y022 scFv
CD28
CD3 Z
Y022-28BBZ:
eGFP
F2A
CD8 SP
Y022 scFv
CD28
CD137
CD3 Z

Fig. 10