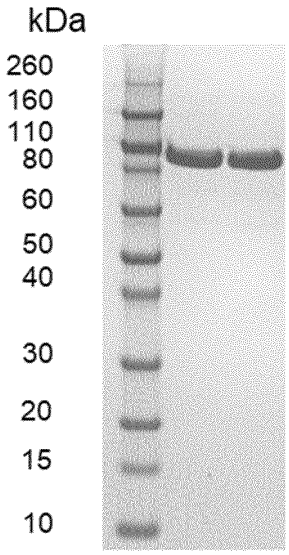
Figure 1

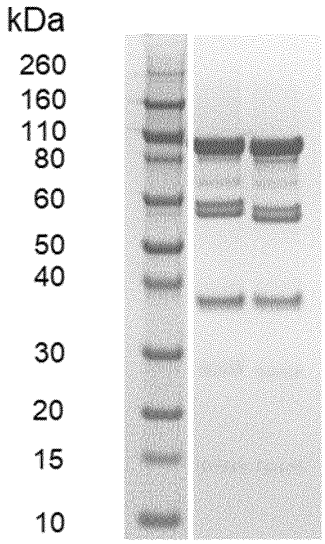
G4Q



Molecule	% Monomer
Q6S	100 %
X7D	100 %

BiTE scFc MW: ca. 107kDa

G4R



Molecule	% Monomer
W7V	52 %
W8I	48.5 %

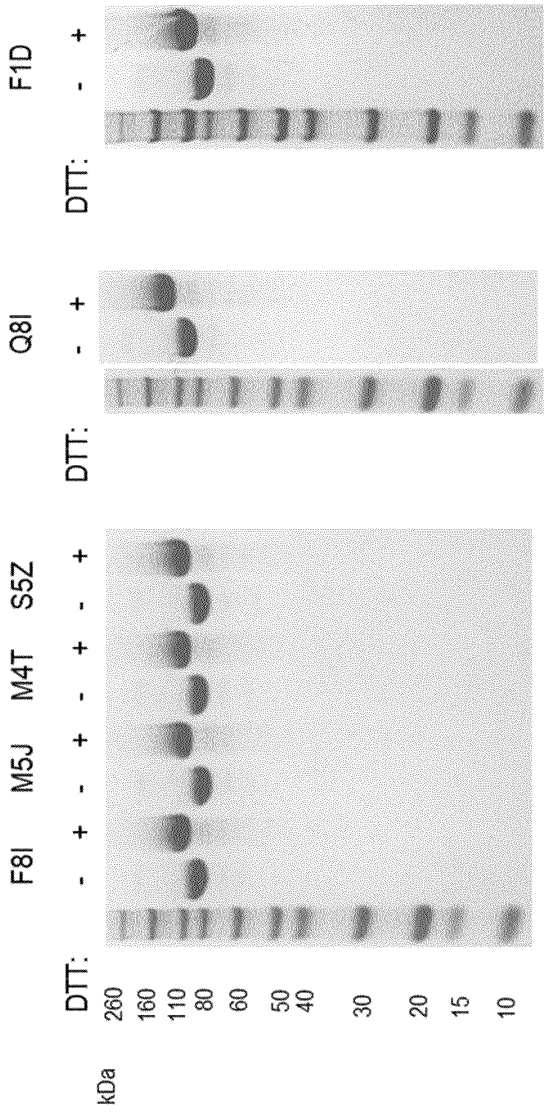


Figure 2

Molecule	Monomer %
F8I	98.2
M5J	97.3
M4T	98.3
S5Z	98.8
F1D	99.0
Q8I	99.4

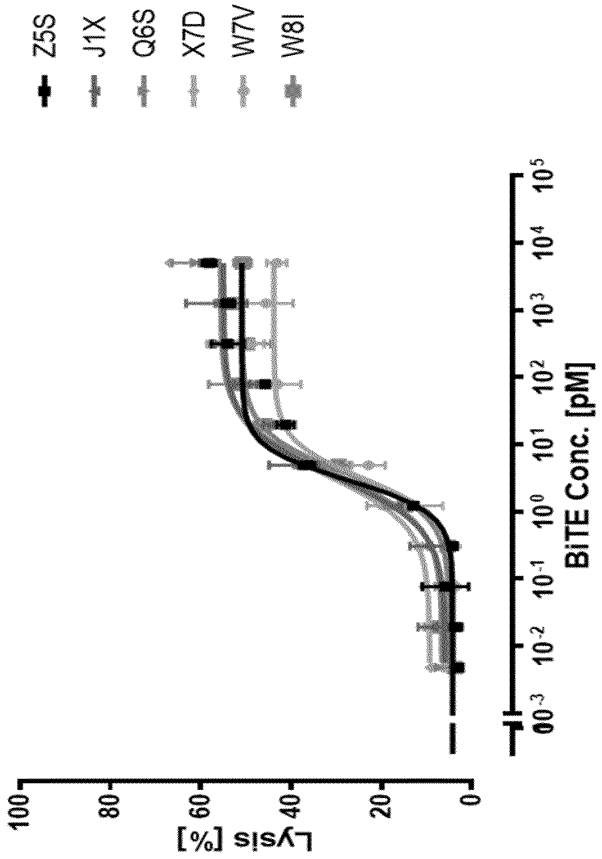


Figure 3

Molecule	EC50 [pM]
Z5S	3.0
J1X	3.3
Q6S	3.8
X7D	3.5
W7V	3.1
W8I	3.7

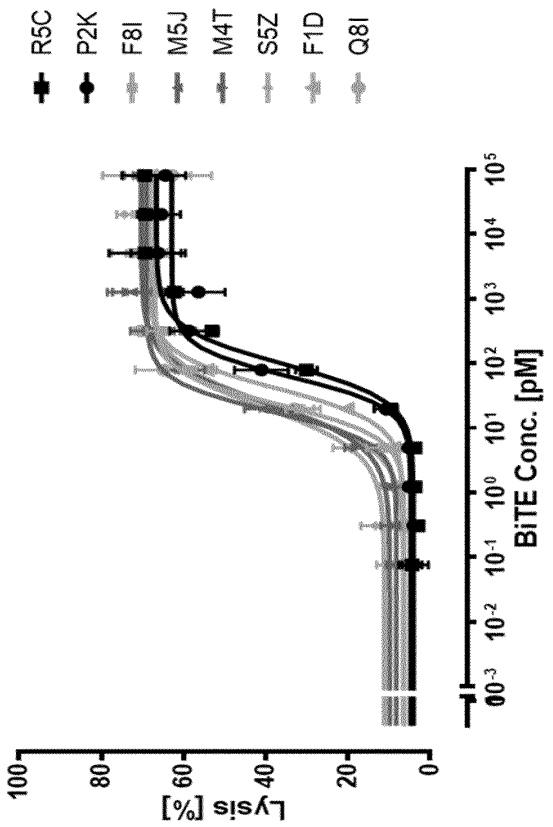


Figure 4

Molecule	EC50 [pM]
R5C	96
P2K	61
F8I	23
M5J	18
M4T	24
S5Z	21
F1D	41
Q8I	22

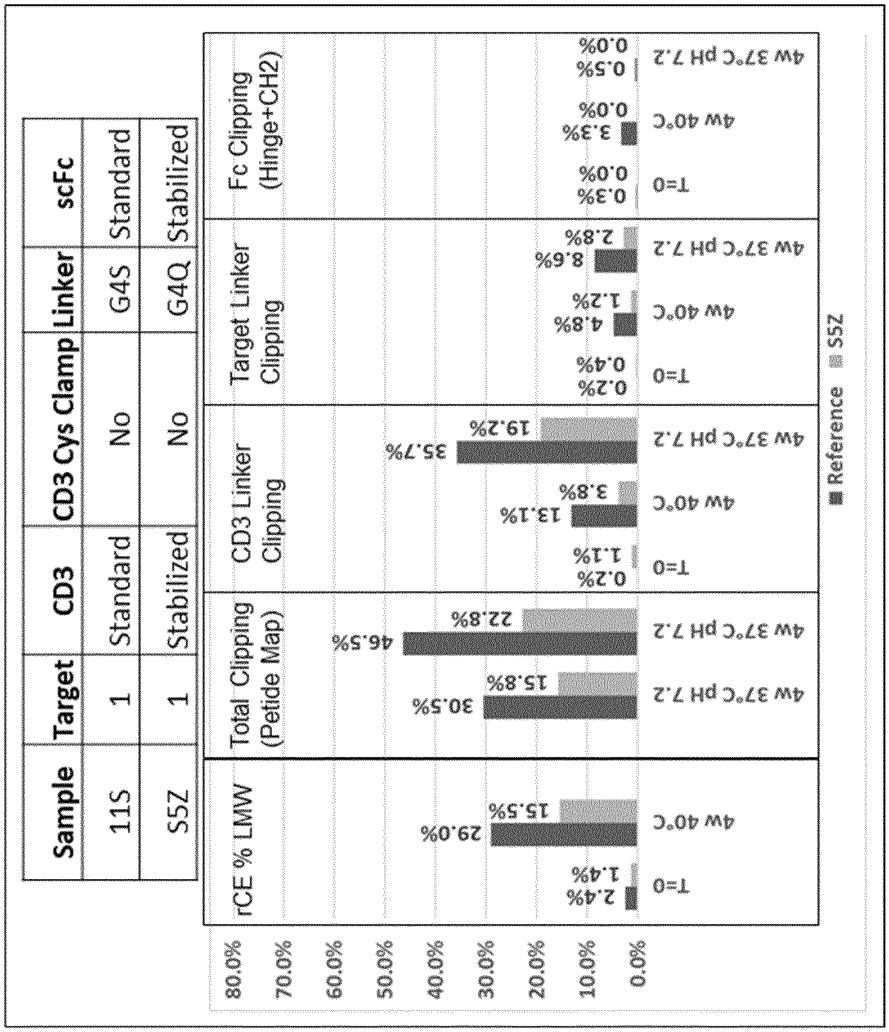
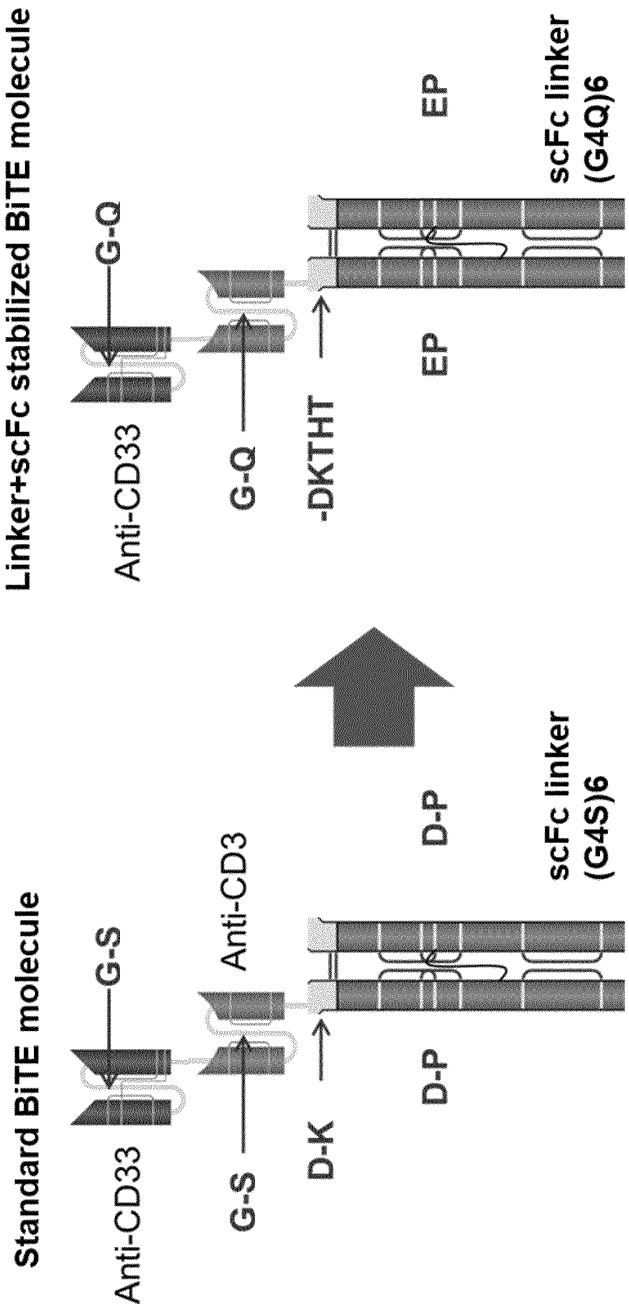

Sample
Target
CD3
CD3 Cys Clamp
Linker
scFc
11S
1
Standard
No
G4S
Standard
S5Z
1
Stabilized
No
G4Q
Stabilized
rCE % LMW
Total Clipping (Petide Map)
CD3 Linker Clipping
Target Linker Clipping
Fc Clipping (Hinge+CH2)
T=0
4w 40°C
4w 37°C pH 7.2
2.4%
1.4%
29.0%
15.5%
30.5%
15.8%
46.5%
22.8%
0.2%
1.1%
13.1%
3.8%
35.7%
19.2%
0.2%
0.4%
4.8%
1.2%
8.6%
2.8%
0.3%
0.0%
3.3%
0.0%
0.5%
0.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
Reference
S5Z

Figure 5

Figure 6


Linker+scFc stabilized BiTE molecule
G-Q
Anti-CD33
G-Q
-DKTHT
EP
EP
scFc linker
(G4Q)6
Standard BiTE molecule
G-S
Anti-CD33
G-S
D-K
D-P
D-P
scFc linker
(G4S)6