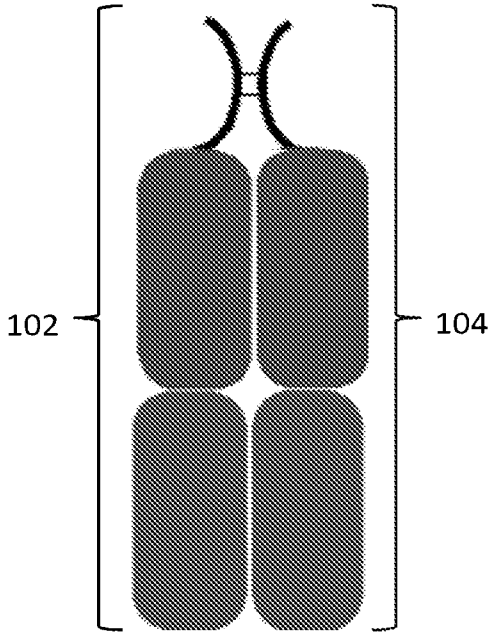


Fig. 1 – construct 1

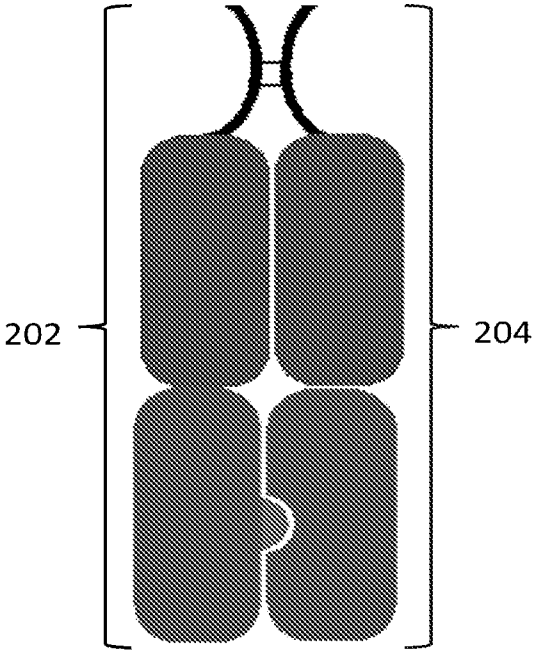


Fig.2 – construct 2

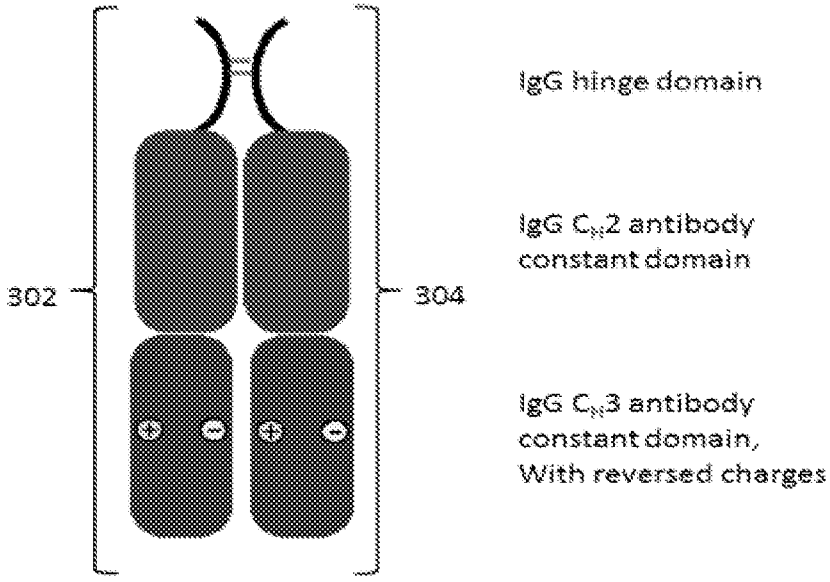


Fig. 3 – construct 3

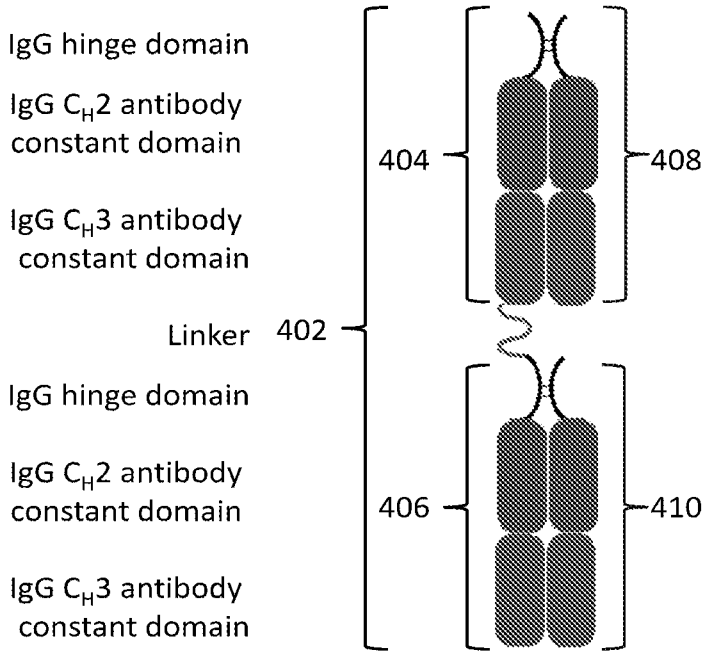


Fig. 4 – construct 4

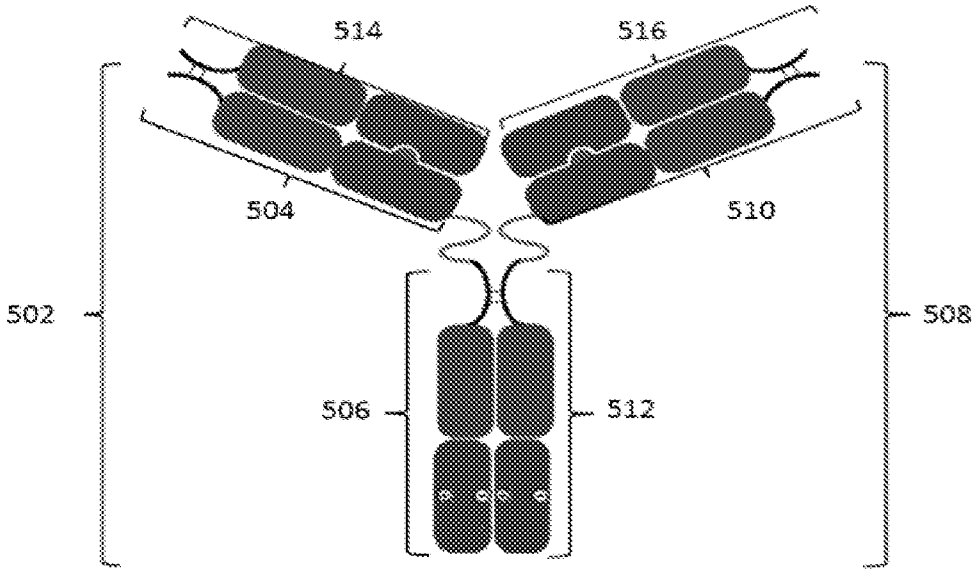


Fig. 5 – constructs 5, 5*

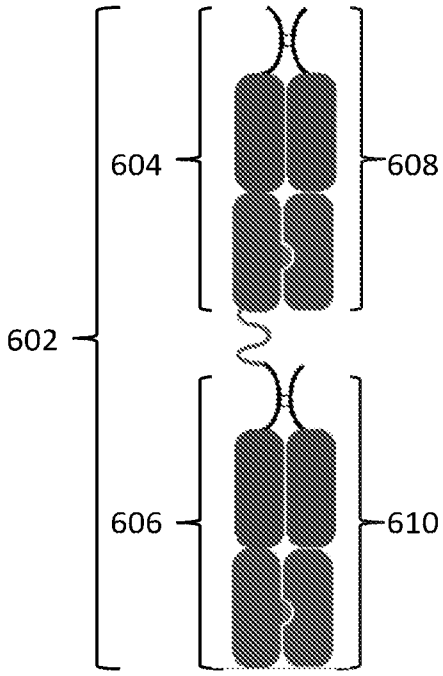


Fig. 6 – construct 6

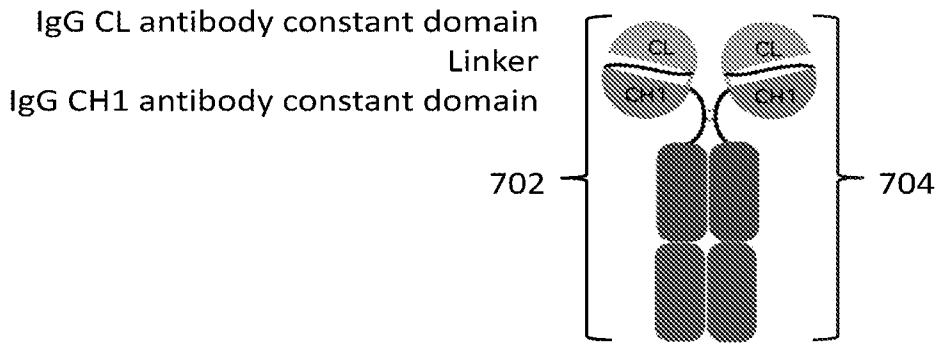


Fig. 7A – construct 7

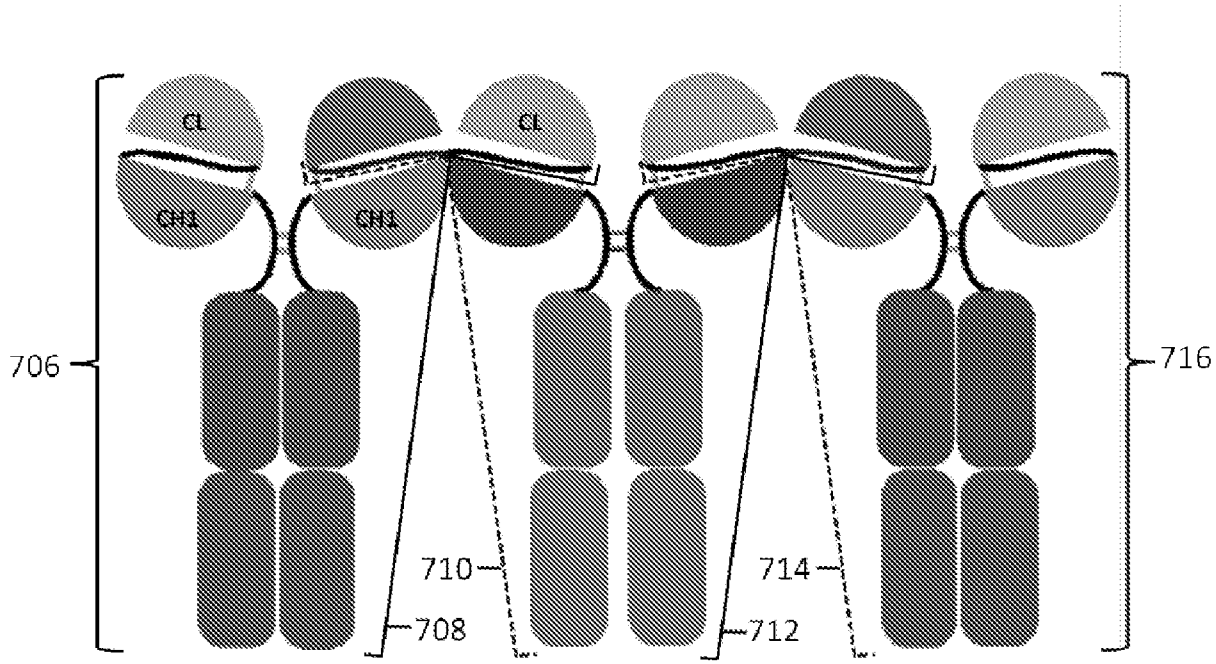


Fig. 7B – construct 8 (multimers of construct 7)

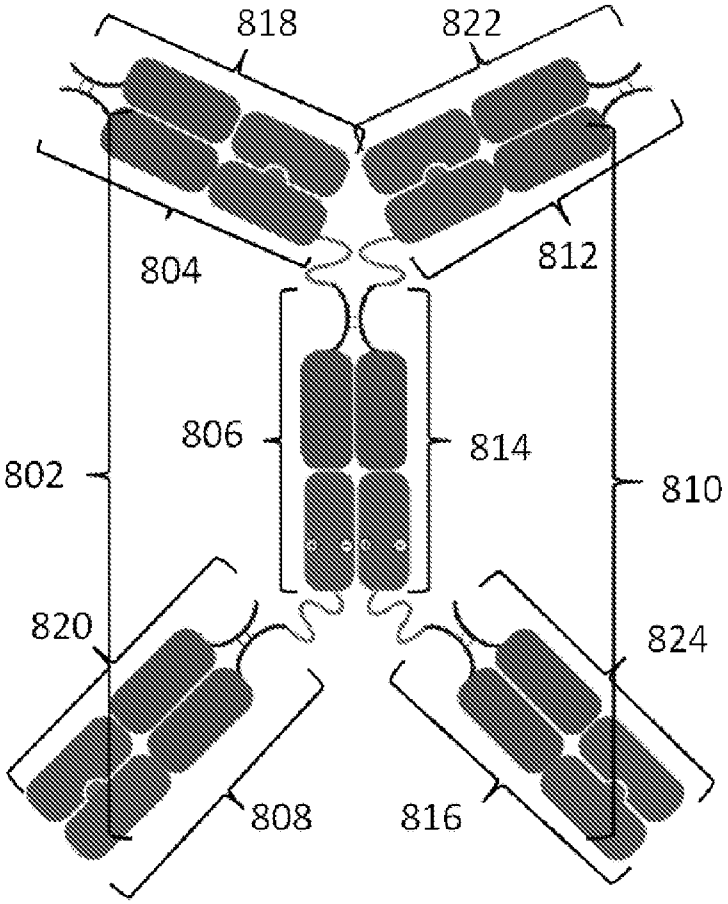


Fig. 8

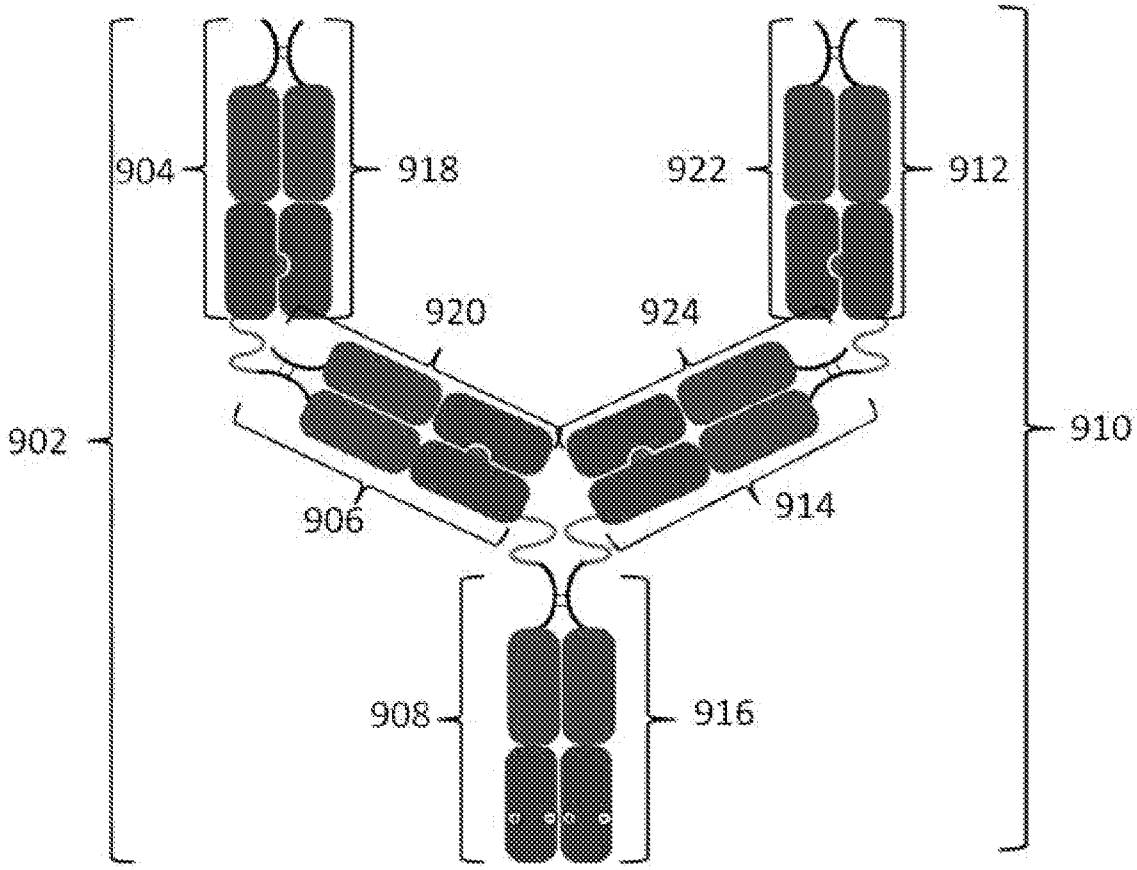


Fig. 9

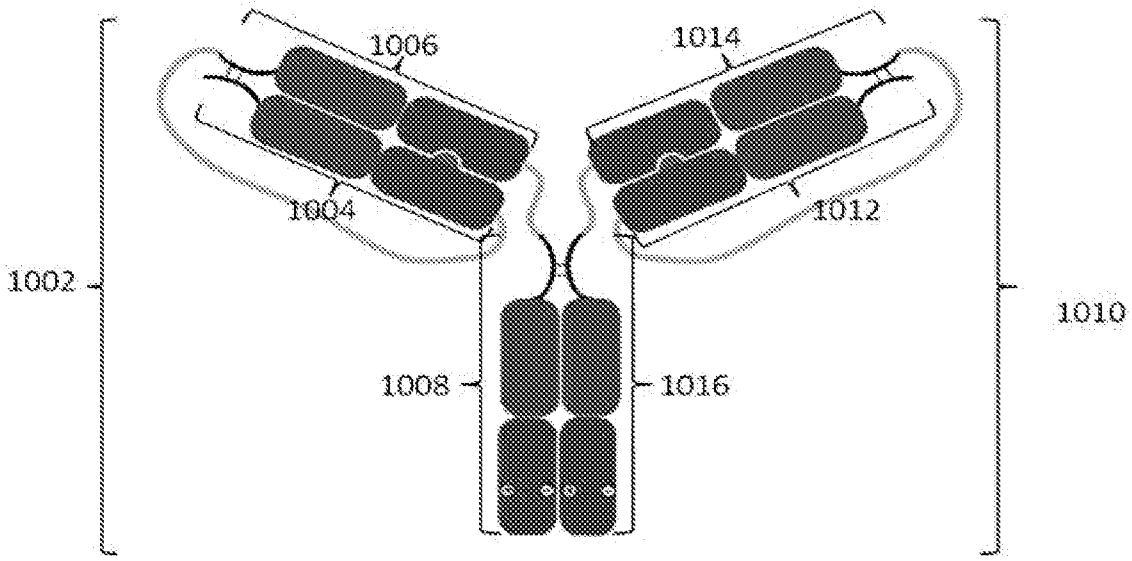


Fig. 10

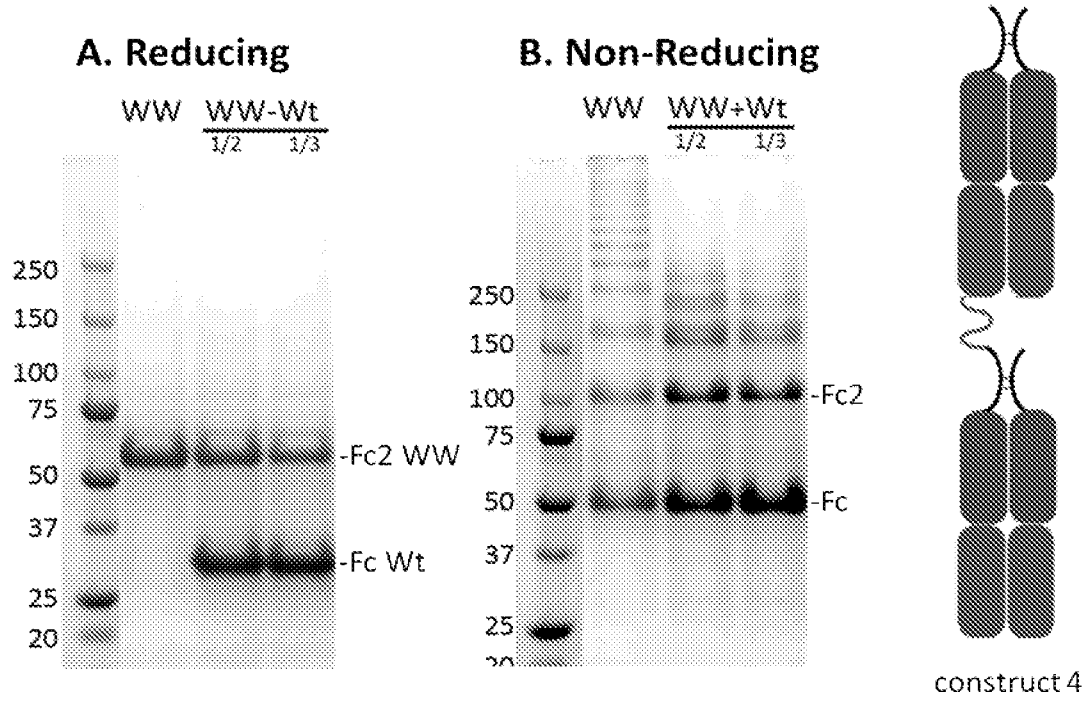

A. Reducing
WW
WW-Wt
1/2
1/3
250
150
100
75
50
37
25
20
-Fc2 WW
-Fc Wt
B. Non-Reducing
WW
WW+Wt
1/2
1/3
250
150
100
75
50
37
25
-Fc2
-Fc
construct 4

Fig. 11A-B

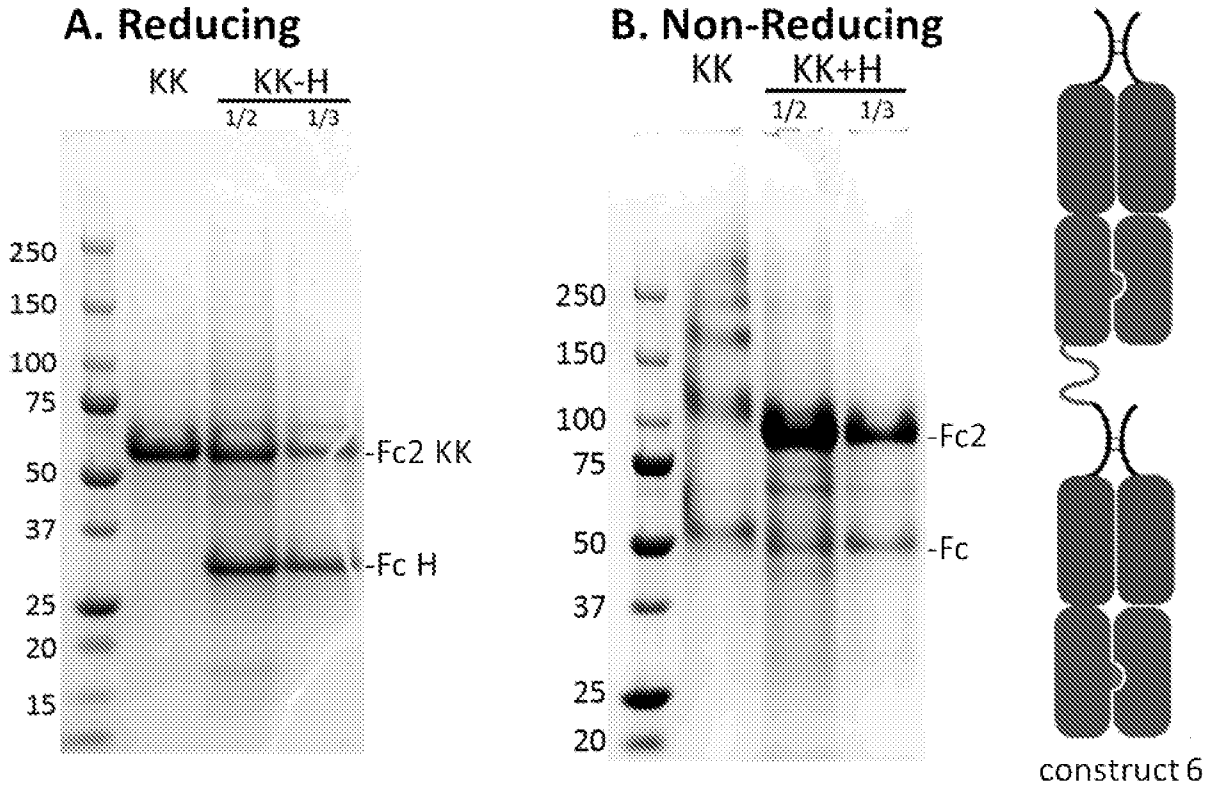

A. Reducing
KK
KK-H
1/2
1/3
250
150
100
75
50
37
25
20
15
-Fc2 KK
-Fc H
B. Non-Reducing
KK
KK+H
1/2
1/3
250
150
100
75
50
37
25
20
-Fc2
-Fc
construct 6

Fig. 12A-B

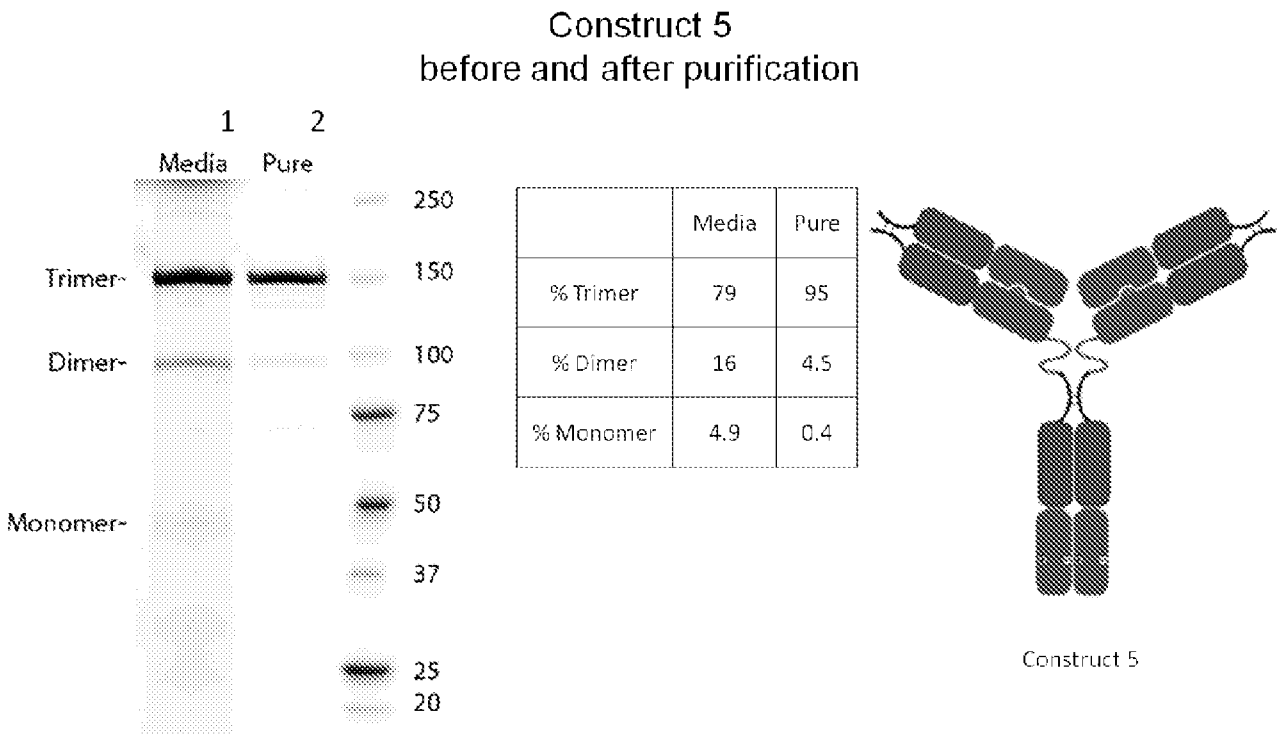

Construct 5
before and after purification
1
2
Media
Pure
Trimer
Dimer
Monomer
250
150
100
75
50
37
25
20
Media
Pure
% Trimer
79
95
% Dimer
16
4.5
% Monomer
4.9
0.4
Construct 5

Fig. 13

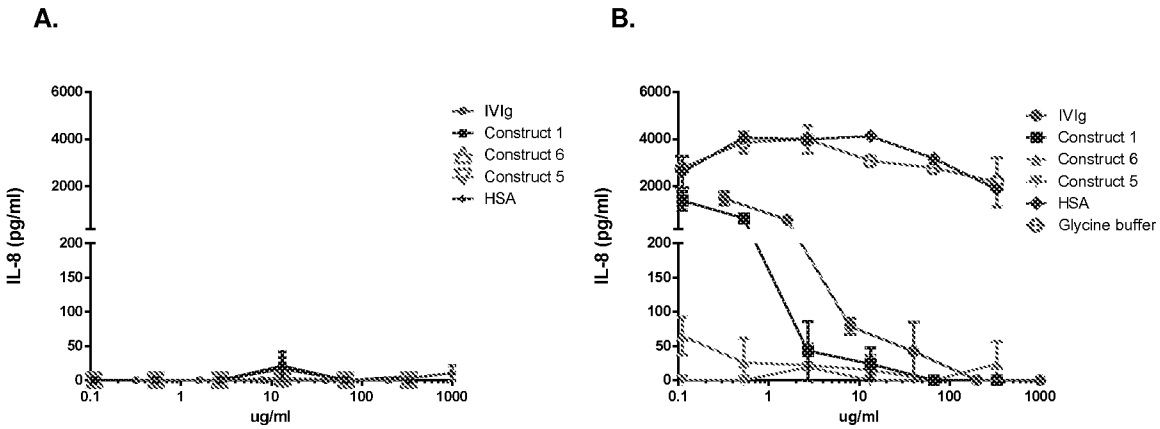

A.
B.
IL-8 (pg/ml)
6000
4000
2000
200
150
100
50
0
0.1
1
10
100
1000
ug/ml
IVIg
Construct 1
Construct 6
Construct 5
HSA
Glycine buffer

Fig. 14

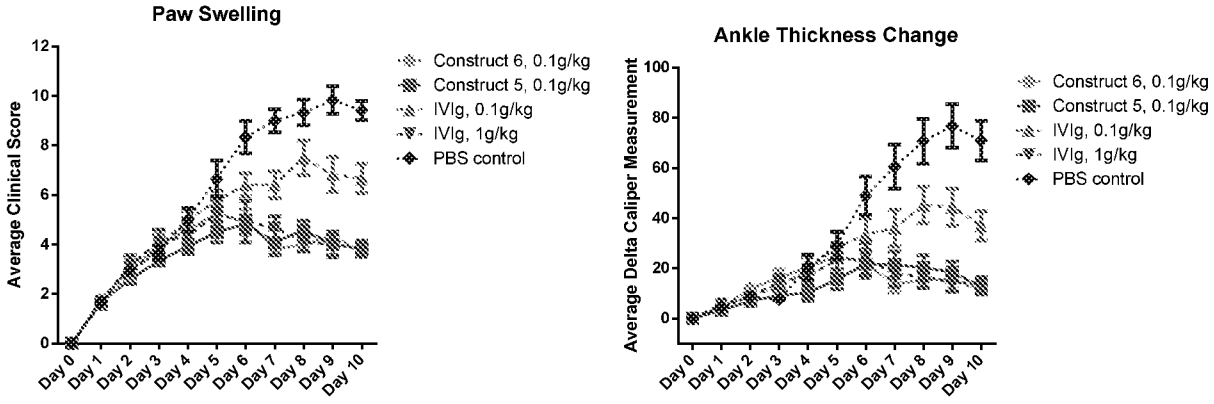

Paw Swelling
Average Clinical Score
0
2
4
6
8
10
12
Day 0
Day 1
Day 2
Day 3
Day 4
Day 5
Day 6
Day 7
Day 8
Day 9
Day 10
Construct 6, 0.1g/kg
Construct 5, 0.1g/kg
IVIg, 0.1g/kg
IVIg, 1g/kg
PBS control
Ankle Thickness Change
Average Delta Caliper Measurement
0
20
40
60
80
100
Day 0
Day 1
Day 2
Day 3
Day 4
Day 5
Day 6
Day 7
Day 8
Day 9
Day 10
Construct 6, 0.1g/kg
Construct 5, 0.1g/kg
IVIg, 0.1g/kg
IVIg, 1g/kg
PBS control

Fig. 15

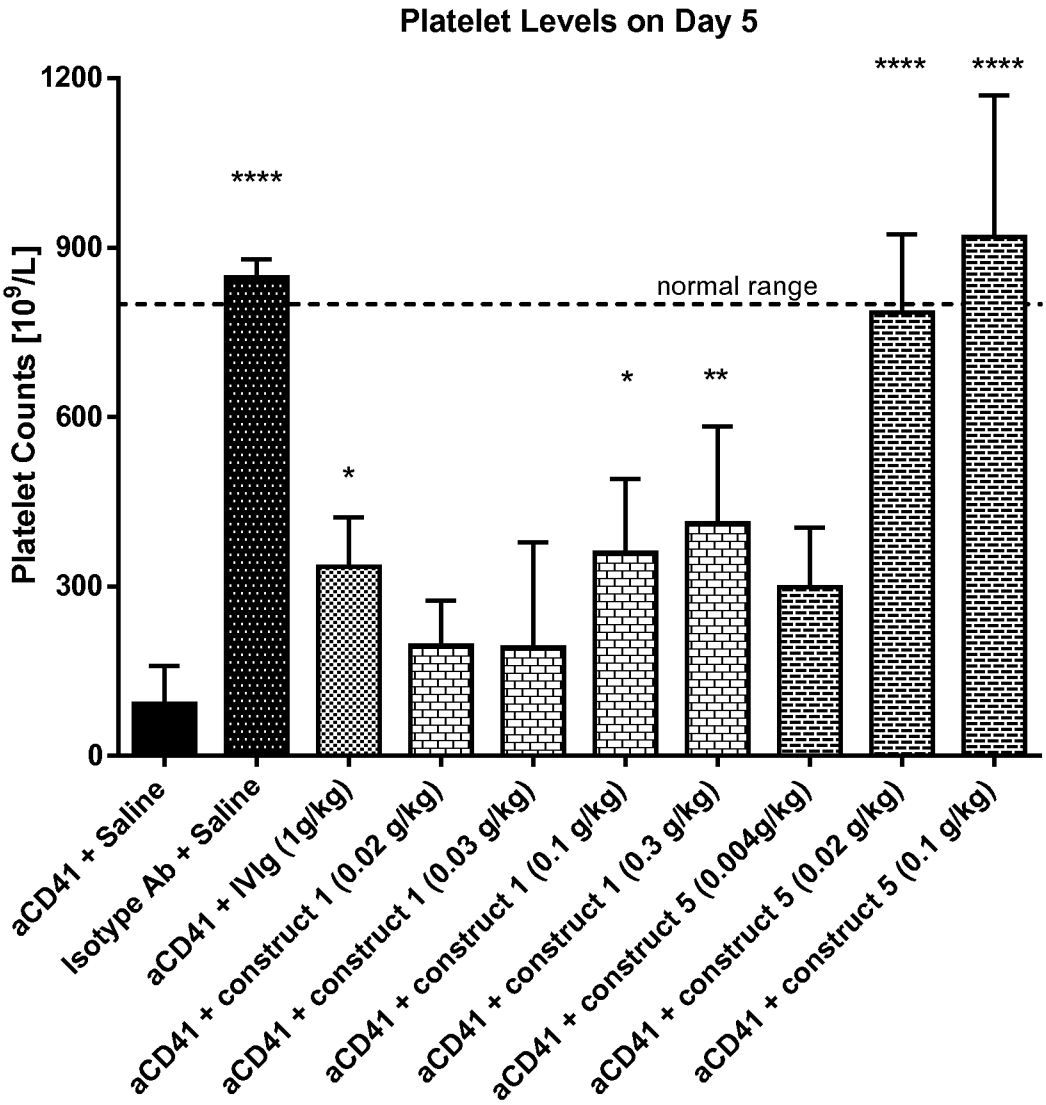

Platelet Levels on Day 5
Platelet Counts [10^9/L]
1200
900
600
300
0
normal range
****
****
****
*
*
**
aCD41 + Saline
Isotype Ab + Saline
aCD41 + IVIg (1g/kg)
aCD41 + construct 1 (0.02 g/kg)
aCD41 + construct 1 (0.03 g/kg)
aCD41 + construct 1 (0.1 g/kg)
aCD41 + construct 1 (0.3 g/kg)
aCD41 + construct 5 (0.004g/kg)
aCD41 + construct 5 (0.02 g/kg)
aCD41 + construct 5 (0.1 g/kg)

Fig. 16

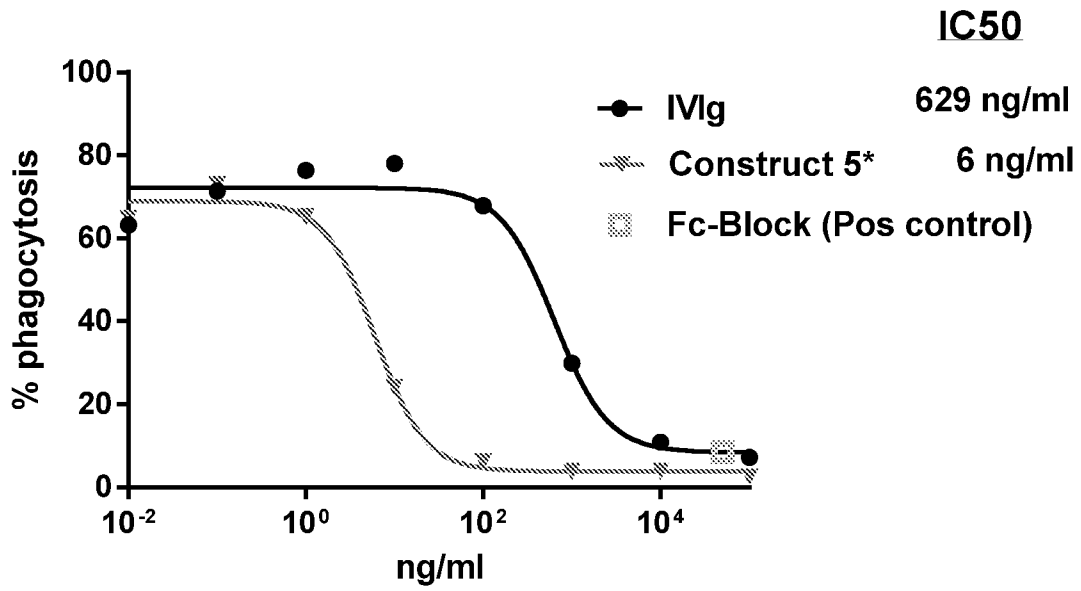

IC50
IVIg 629 ng/ml
Construct 5* 6 ng/ml
Fc-Block (Pos control)
% phagocytosis
100
80
60
40
20
0
10-2
100
102
104
ng/ml

Fig. 17