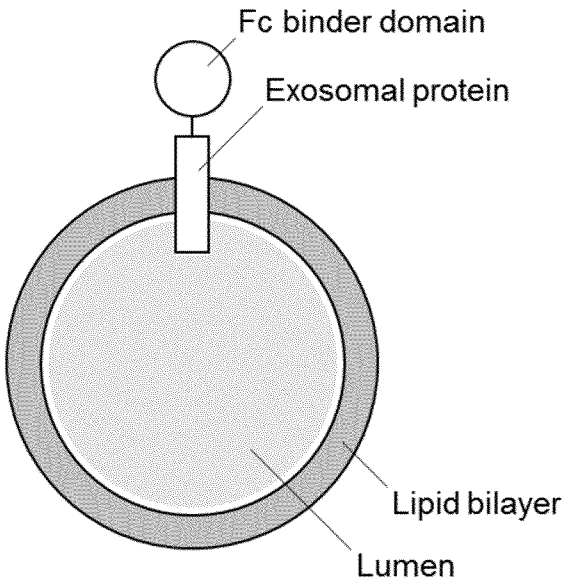


Extracellular vesicle

Figure 1

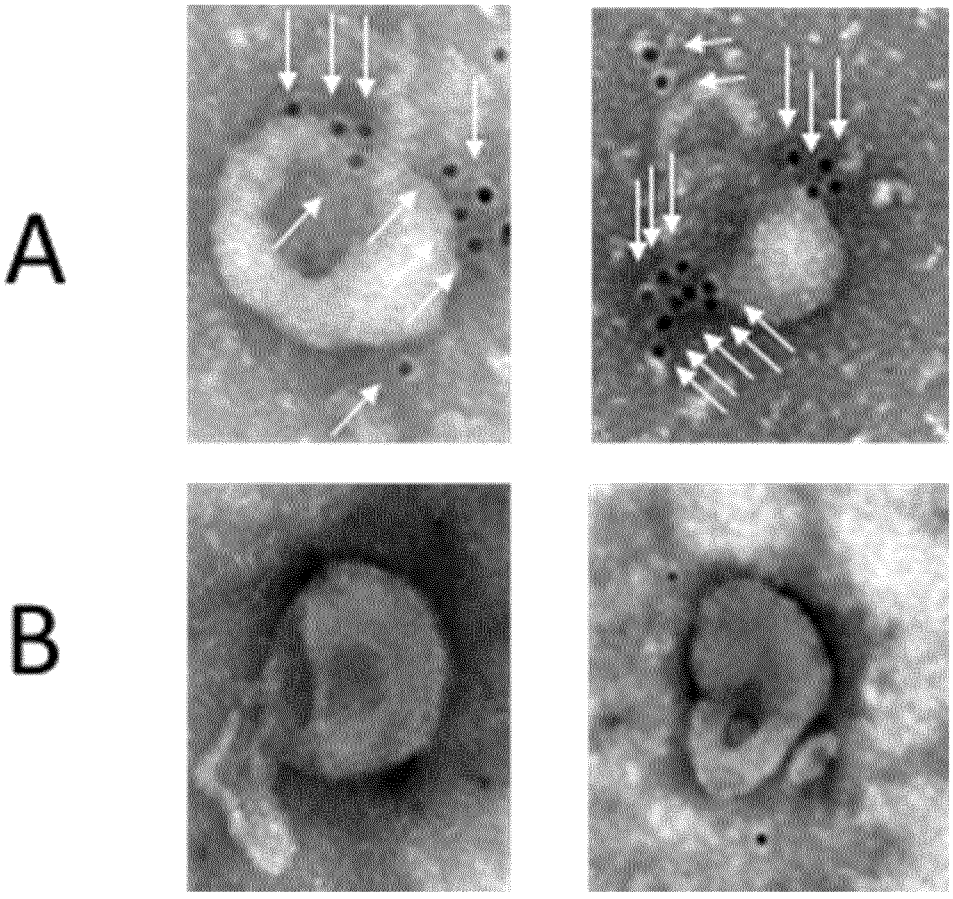


Figure 2

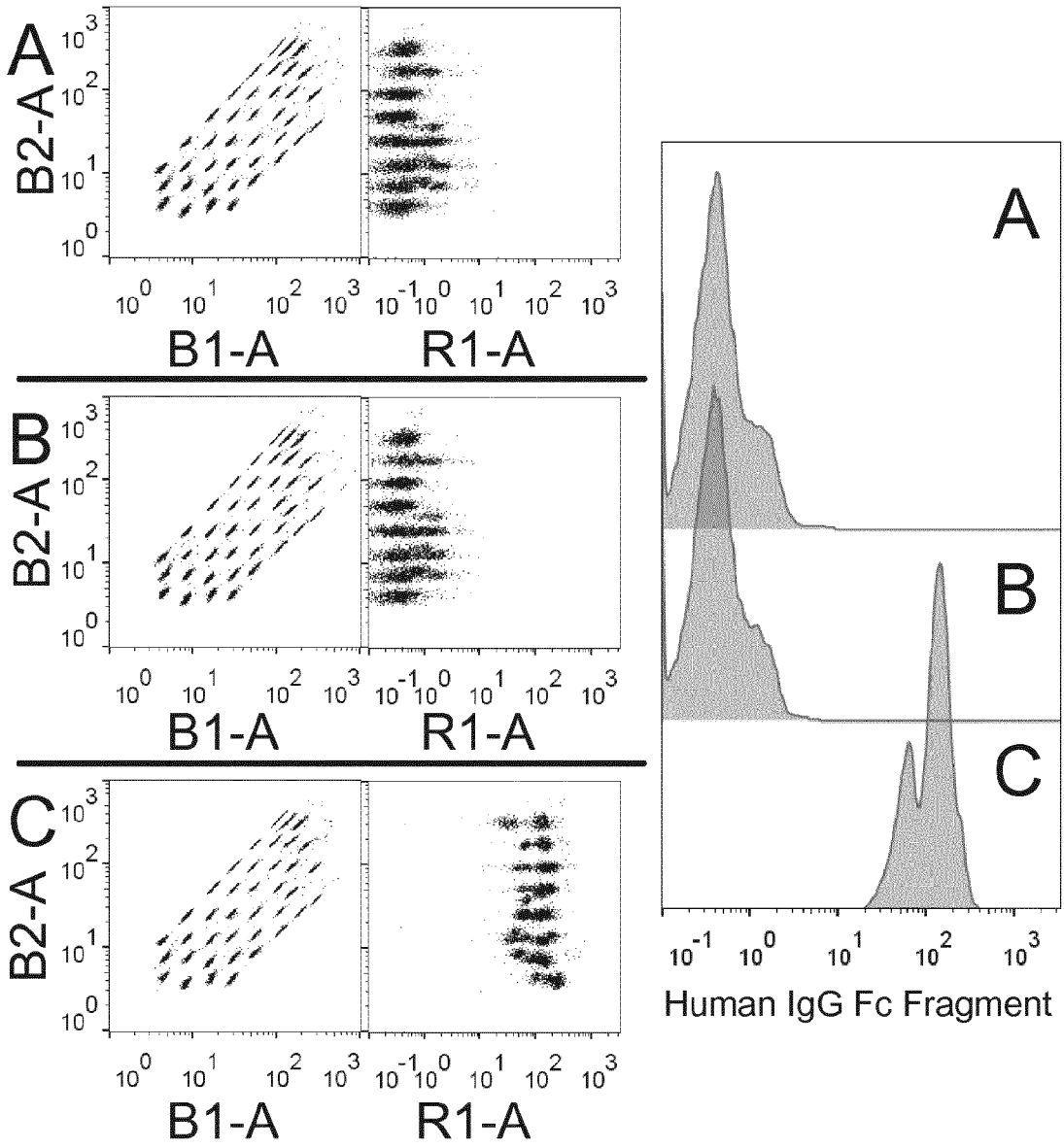


Figure 3
3/11

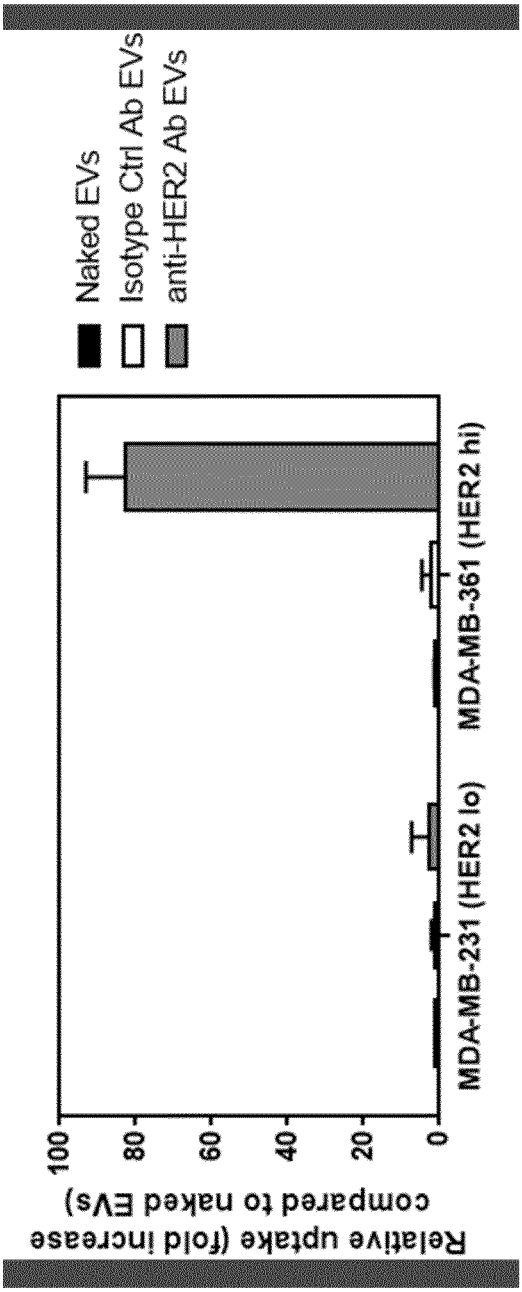

Naked EVs
Isotype Ctrl Ab EVs
anti-HER2 Ab EVs
Relative uptake (fold increase compared to naked EVs)
100
80
60
40
20
0
MDA-MB-231 (HER2 lo)
MDA-MB-361 (HER2 hi)

Figure 4

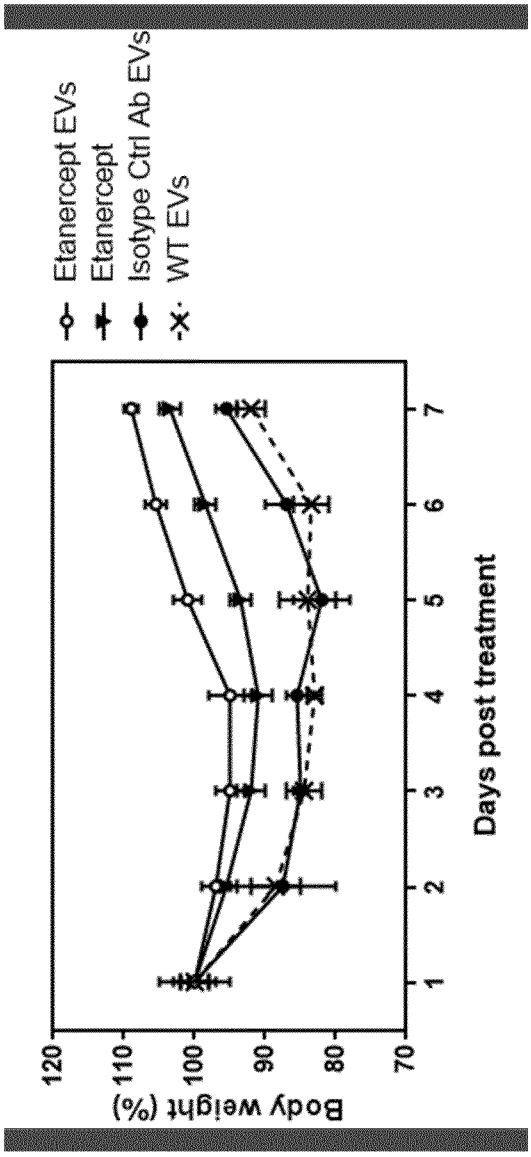

Etanercept EVs
Etanercept
Isotype Ctrl Ab EVs
WT EVs
Body weight (%)
120
110
100
90
80
70
1
2
3
4
5
6
7
Days post treatment

Figure 5

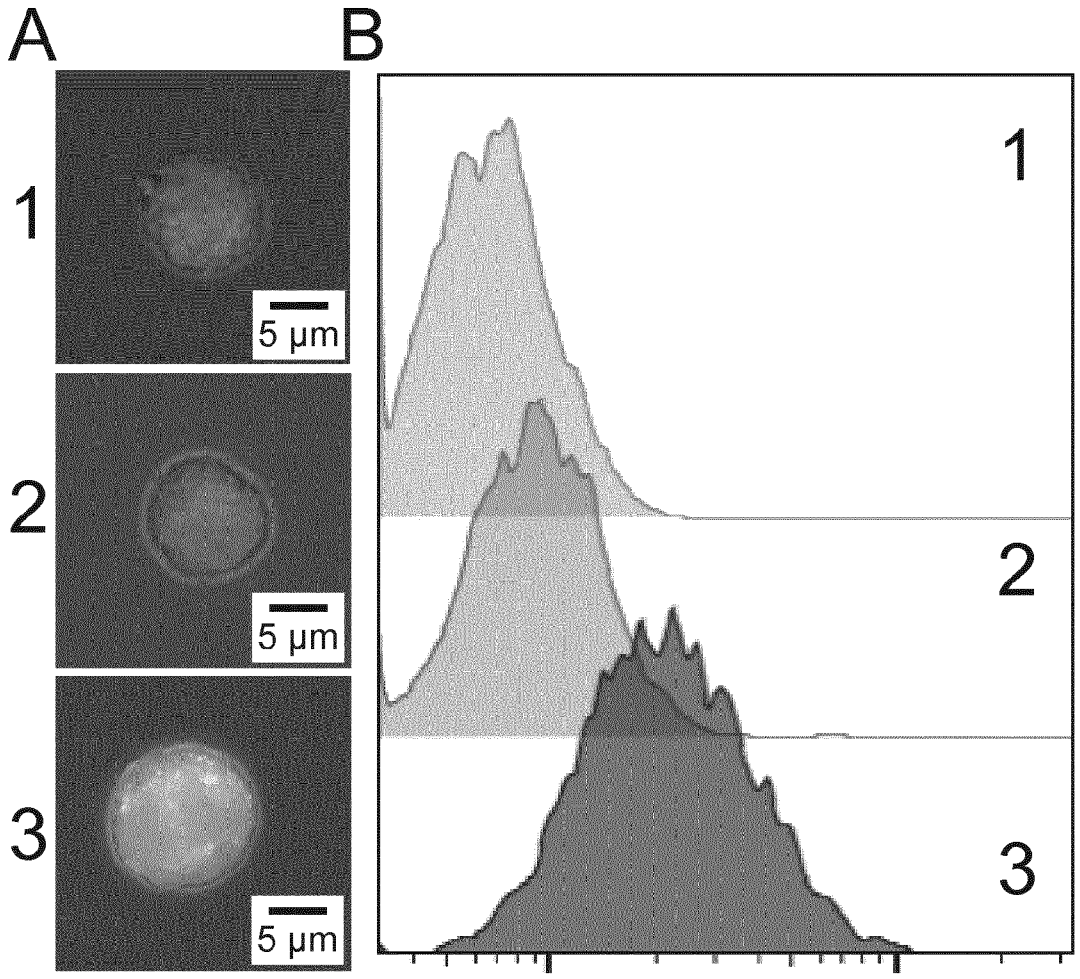


Figure 6
6/11

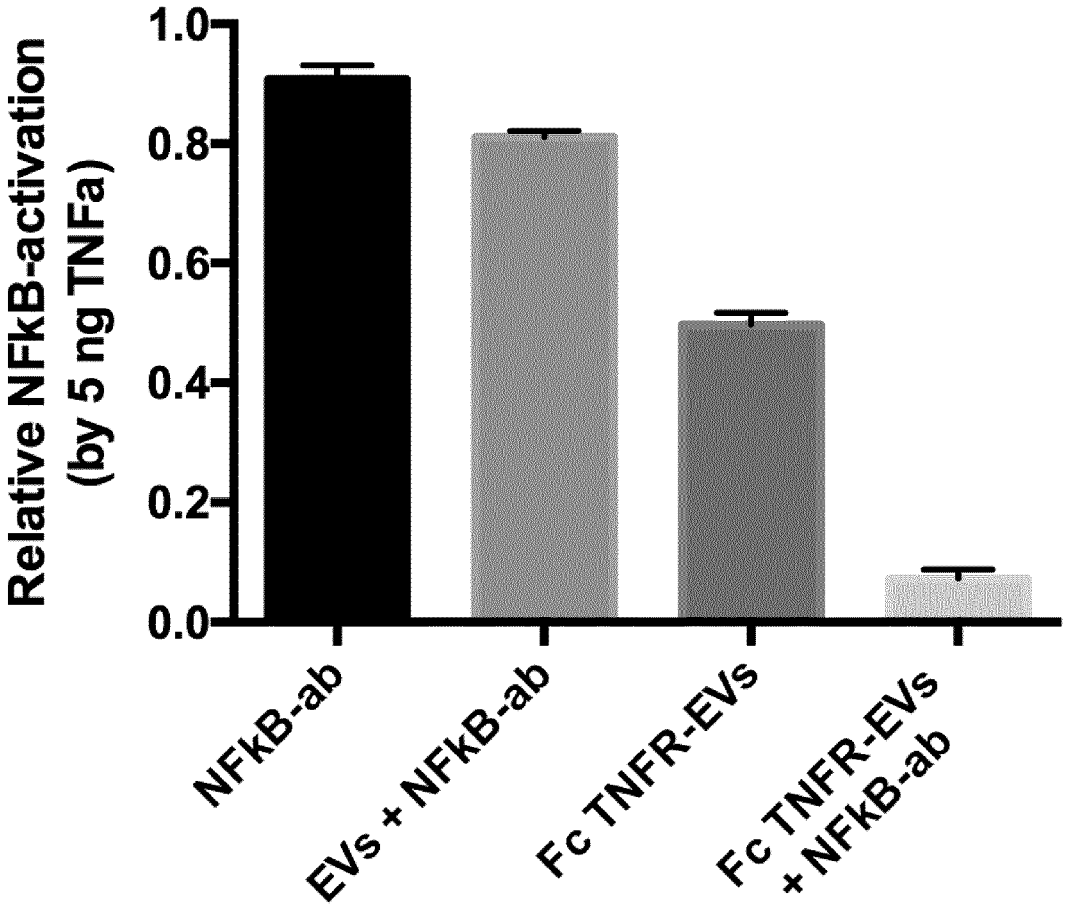

Relative NFkB-activation
(by 5 ng TNFa)
1.0
0.8
0.6
0.4
0.2
0.0
NFkB-ab
EVs + NFkB-ab
Fc TNFR-EVs
Fc TNFR-EVs
+ NFkB-ab

Figure 7

7/11

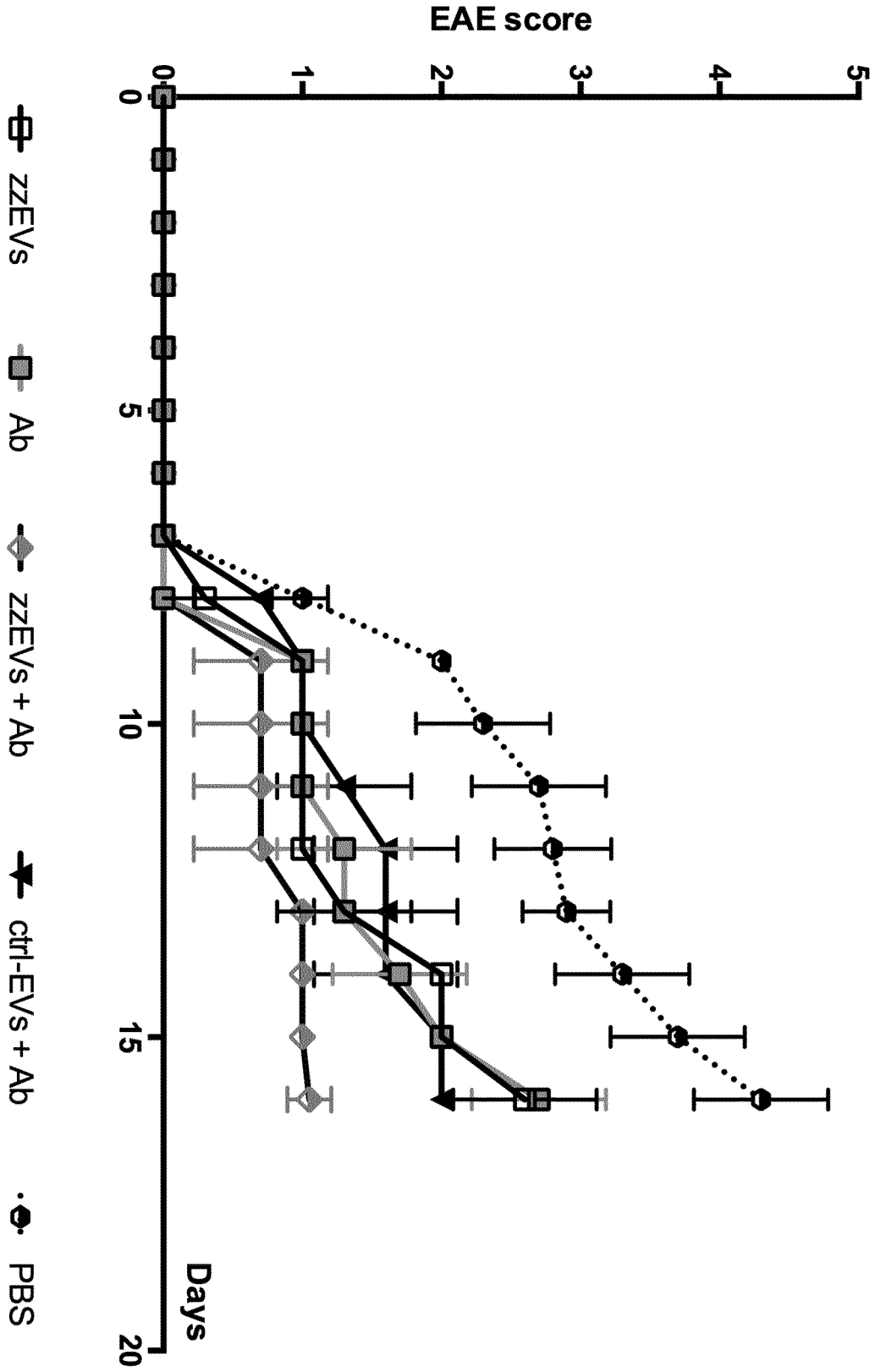

EAE score
0
1
2
3
4
5
0
5
10
15
20
Days
zzEVs
Ab
zzEVs + Ab
ctrl-EVs + Ab
PBS

Figure 8

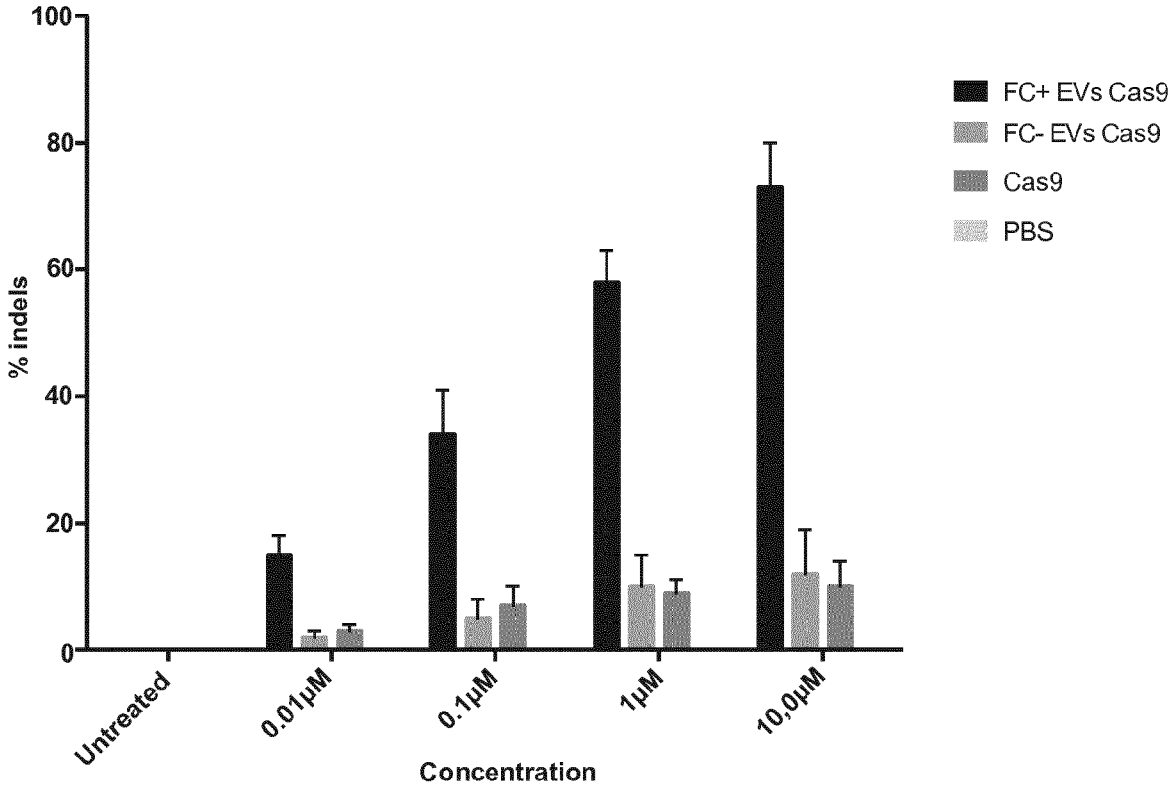

100
80
60
40
20
0
% indels
Untreated
0.01μM
0.1μM
1μM
10,0μM
Concentration
FC+ EVs Cas9
FC- EVs Cas9
Cas9
PBS

Figure 9

9/11

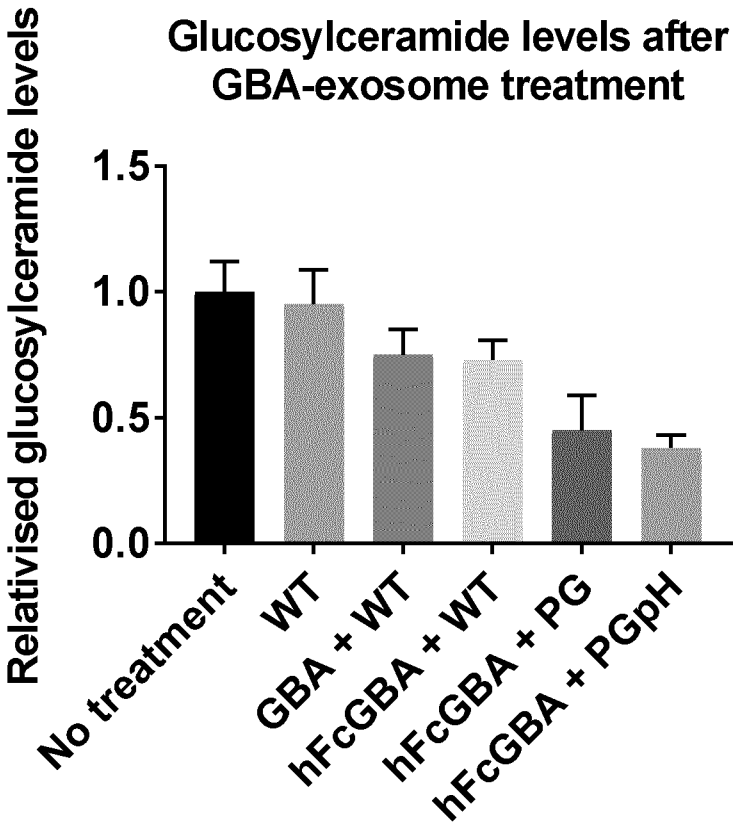


Figure 10

10/11

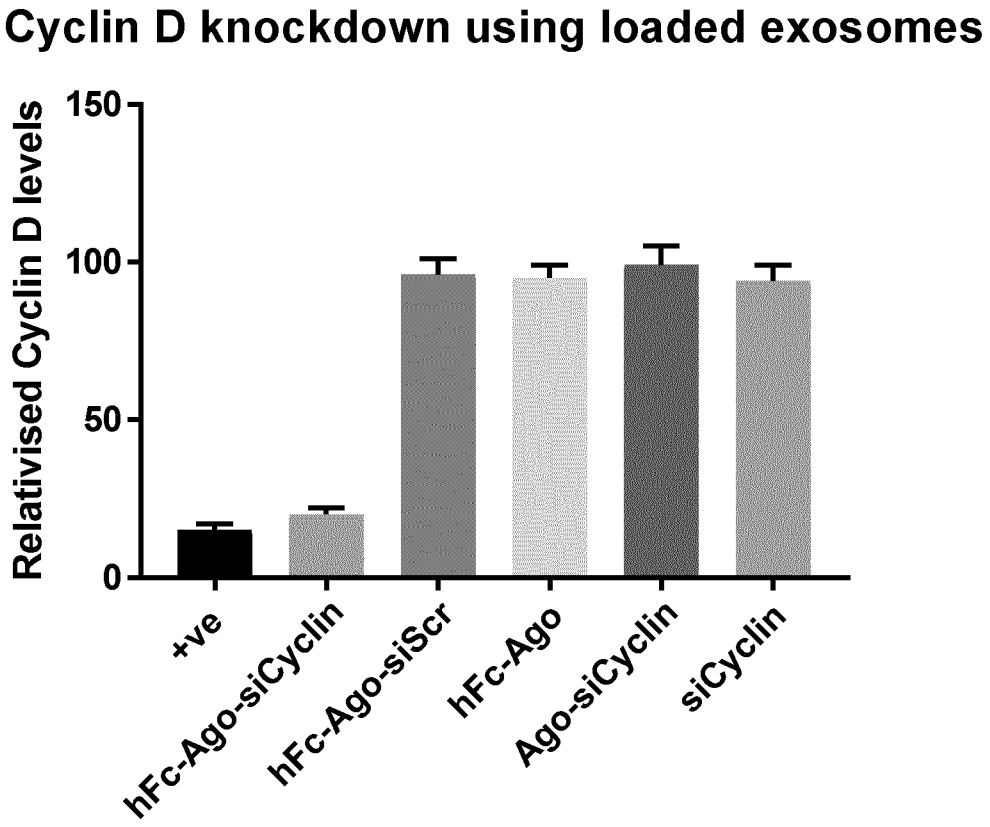


Figure 11

11/11