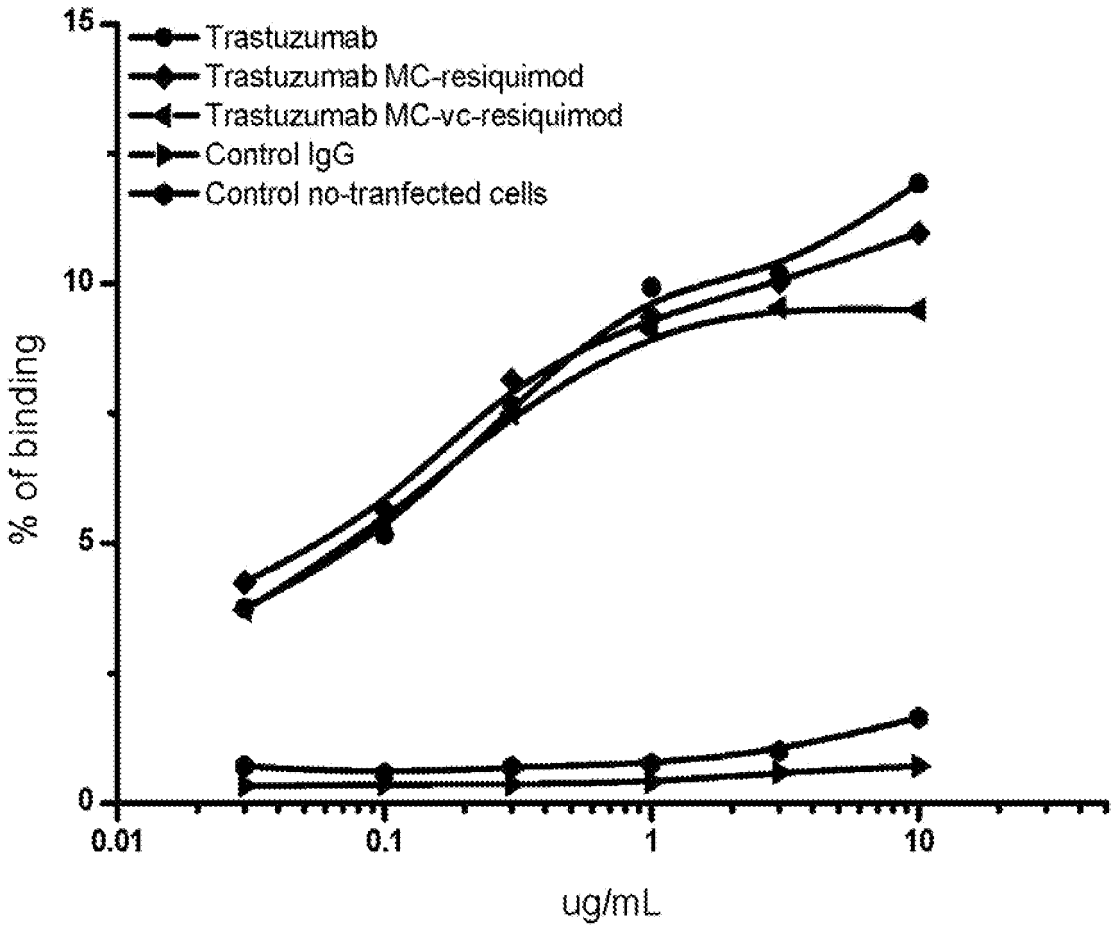

15
10
5
0
% of binding
Trastuzumab
Trastuzumab MC-resiquimod
Trastuzumab MC-vc-resiquimod
Control IgG
Control no-tranfected cells
0.01
0.1
1
10
ug/mL

Figure 1

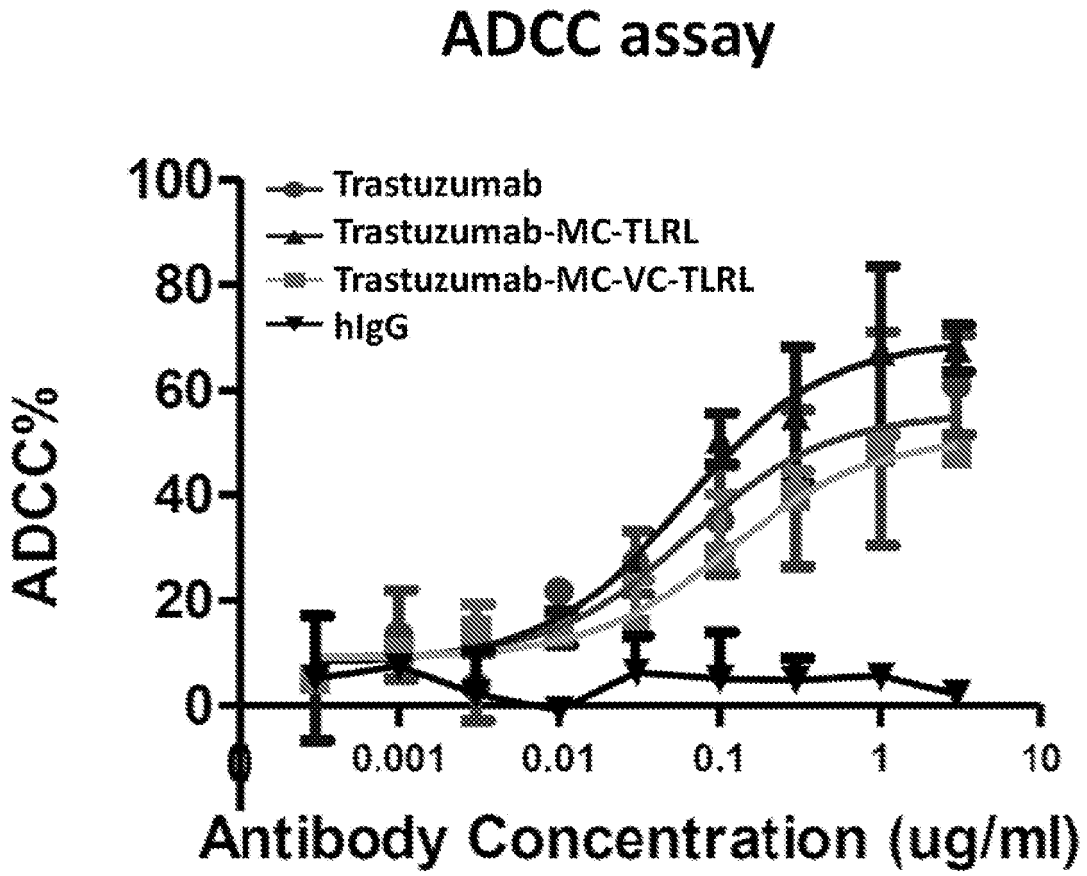

ADCC assay
Trastuzumab
Trastuzumab-MC-TLRL
Trastuzumab-MC-VC-TLRL
hIgG
ADCC%
100
80
60
40
20
0
0
0.001
0.01
0.1
1
10
Antibody Concentration (ug/ml)

Figure 2

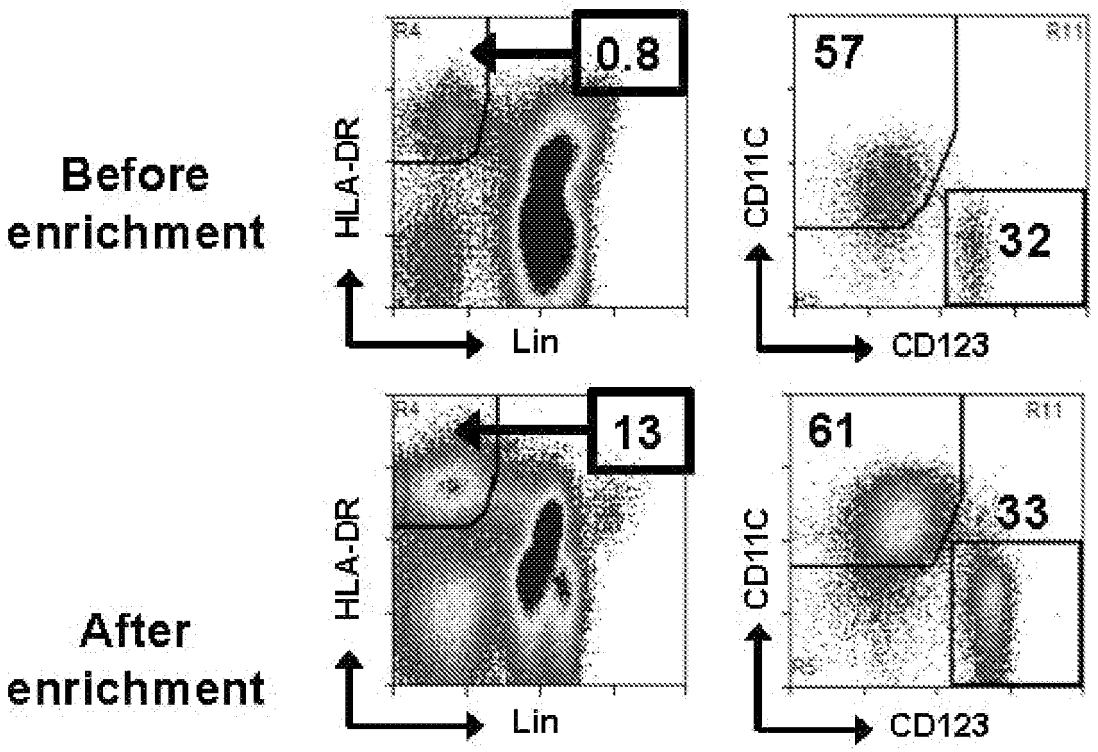

Before enrichment
After enrichment
HLA-DR
Lin
0.8
13
CD11C
CD123
57
32
61
33

Figure 3A

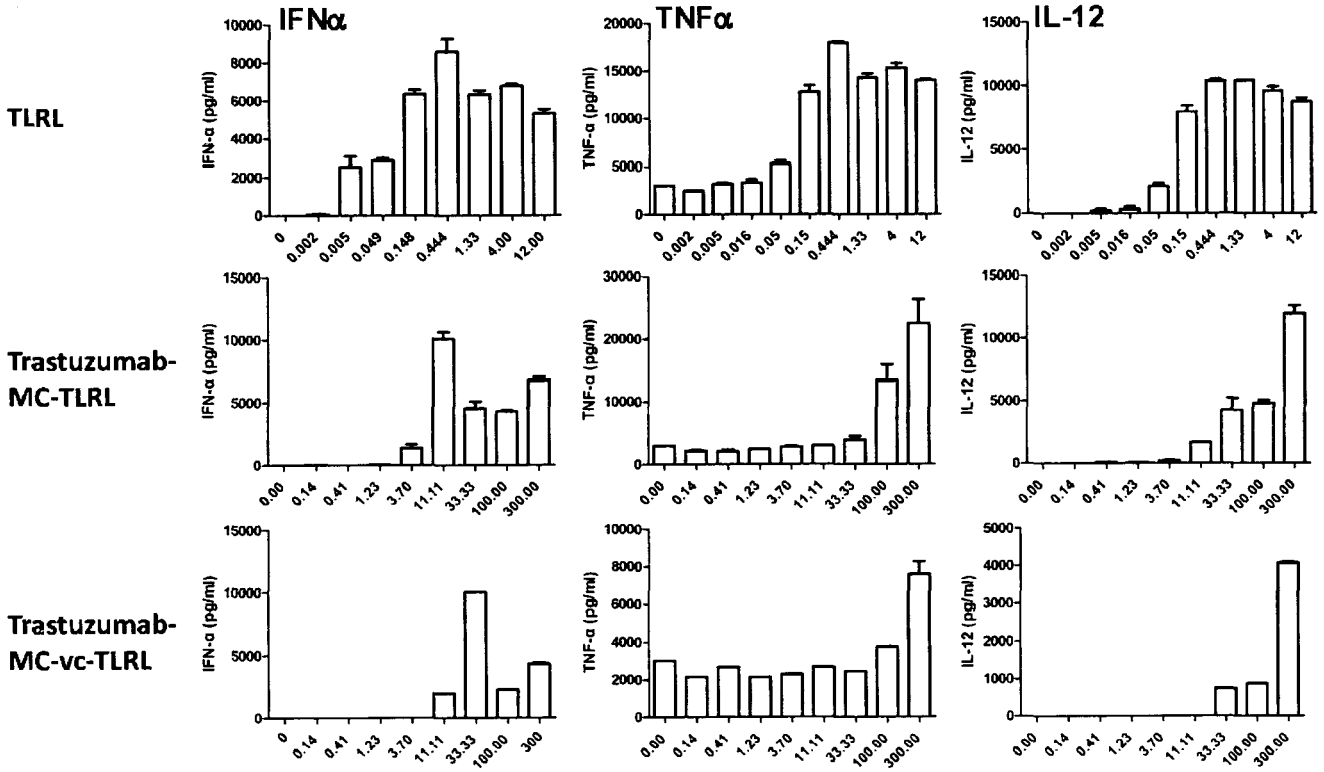

TLRL
Trastuzumab-MC-TLRL
Trastuzumab-MC-vc-TLRL
IFNα
TNFα
IL-12
IFN-α (pg/ml)
TNF-α (pg/ml)
IL-12 (pg/ml)

Figure 3B

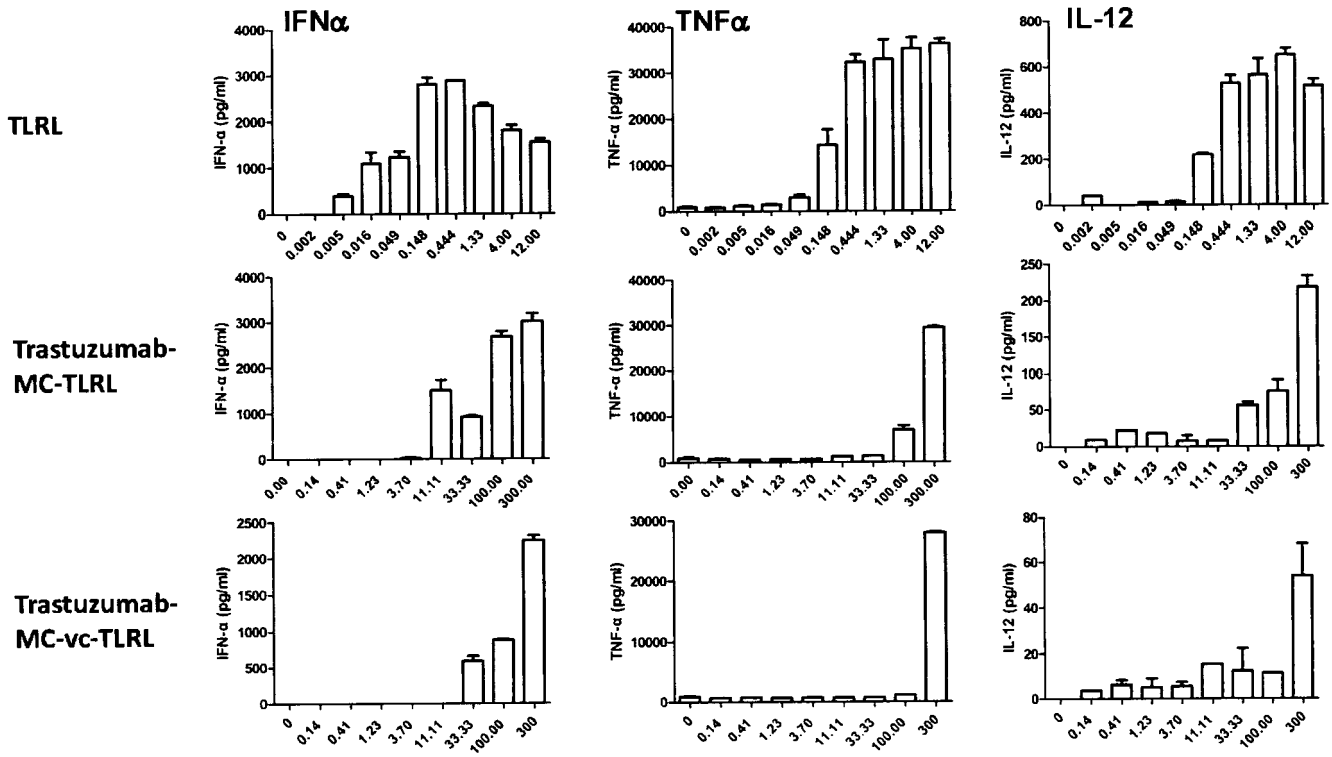

IFNα
TNFα
IL-12
TLRL
Trastuzumab-MC-TLRL
Trastuzumab-MC-vc-TLRL
IFN-α (pg/ml)
TNF-α (pg/ml)
IL-12 (pg/ml)

Figure 3C

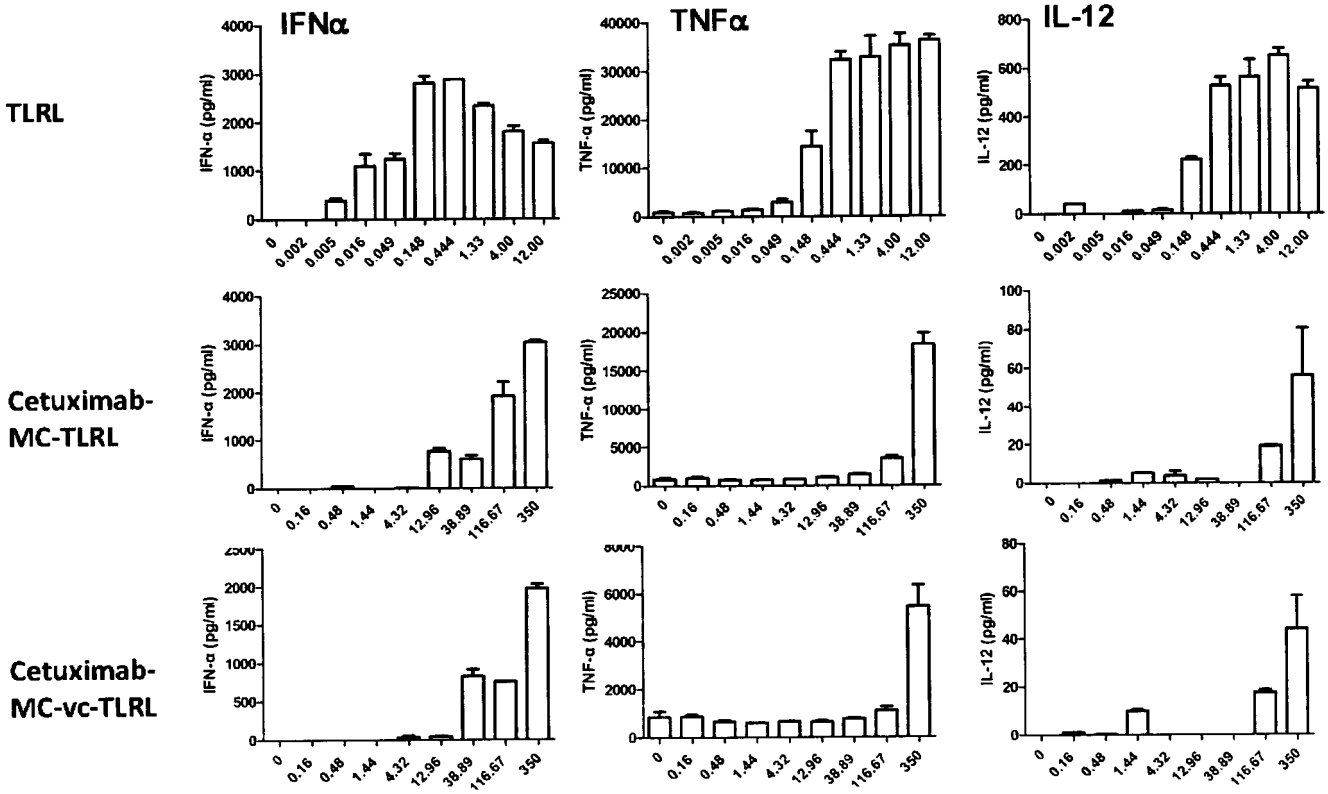

IFNα
TNFα
IL-12
TLRL
Cetuximab-MC-TLRL
Cetuximab-MC-vc-TLRL
IFN-α (pg/ml)
TNF-α (pg/ml)
IL-12 (pg/ml)
0
0.002
0.005
0.016
0.049
0.148
0.444
1.33
4.00
12.00
0.16
0.48
1.44
4.32
12.96
38.89
116.67
350

Figure 3D

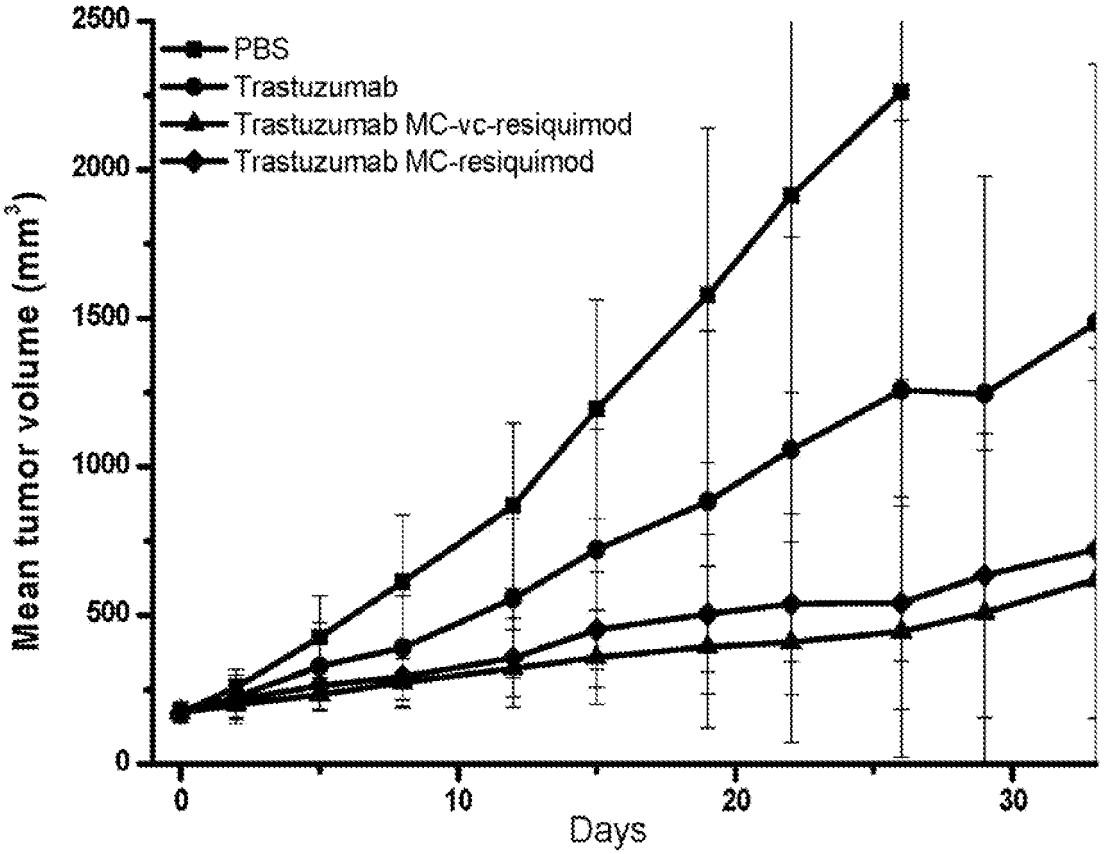

PBS
Trastuzumab
Trastuzumab MC-vc-resiquimod
Trastuzumab MC-resiquimod
Mean tumor volume (mm3)
2500
2000
1500
1000
500
0
0
10
20
30
Days

Figure 4A

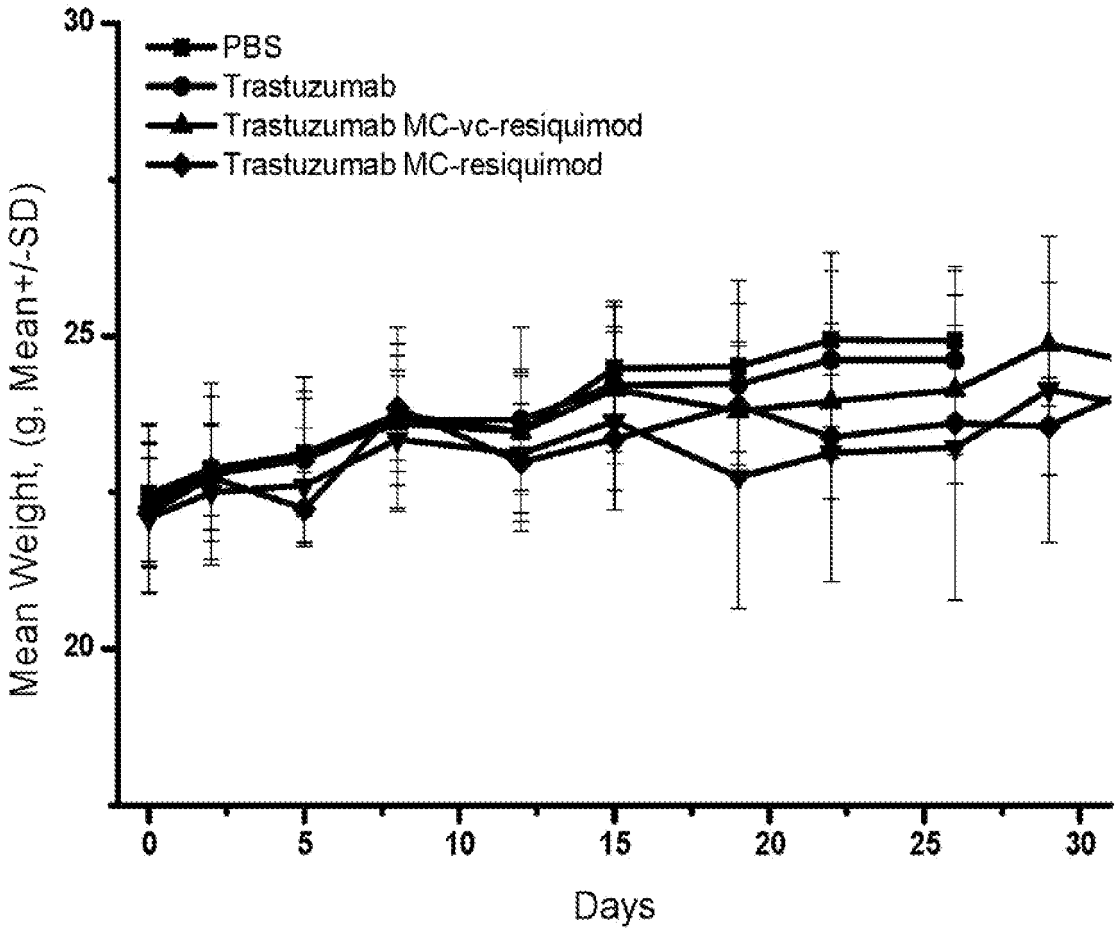

PBS
Trastuzumab
Trastuzumab MC-vc-resiquimod
Trastuzumab MC-resiquimod
Mean Weight, (g, Mean+/-SD)
30
25
20
0
5
10
15
20
25
30
Days

Figure 4B

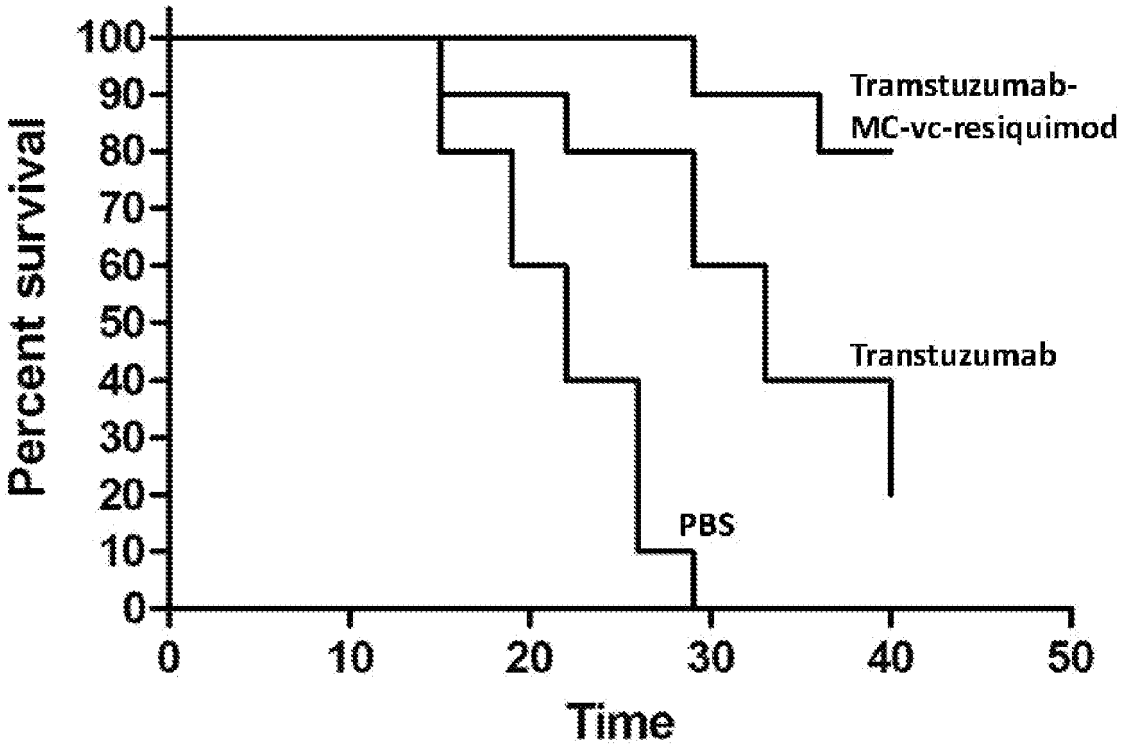

Percent survival
100
90
80
70
60
50
40
30
20
10
0
0
10
20
30
40
50
Time
Tramstuzumab-
MC-vc-resiquimod
Transtuzumab
PBS

Figure 4C

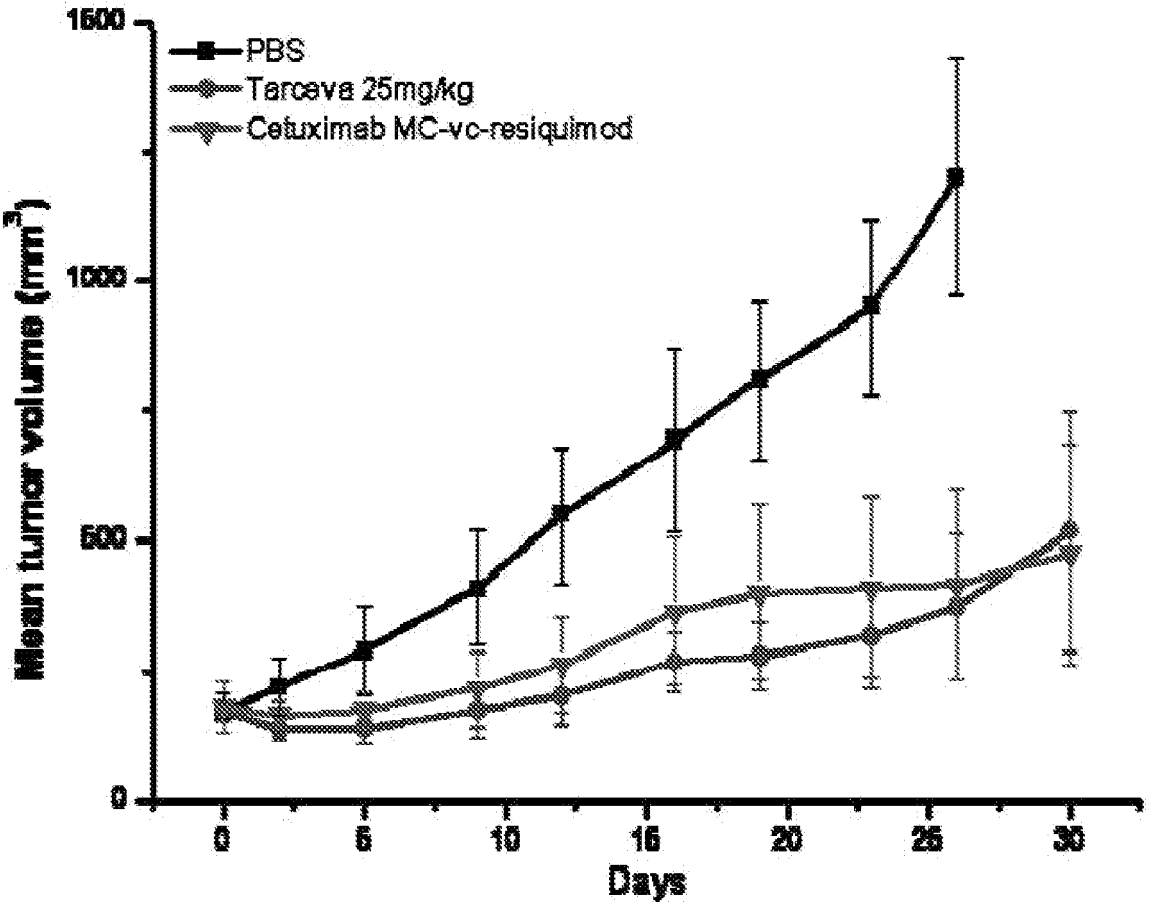

1500
1000
500
0
PBS
Tarceva 25mg/kg
Cetuximab MC-vc-resiquimod
Mean tumor volume (mm3)
0
5
10
15
20
25
30
Days

Figure 5A

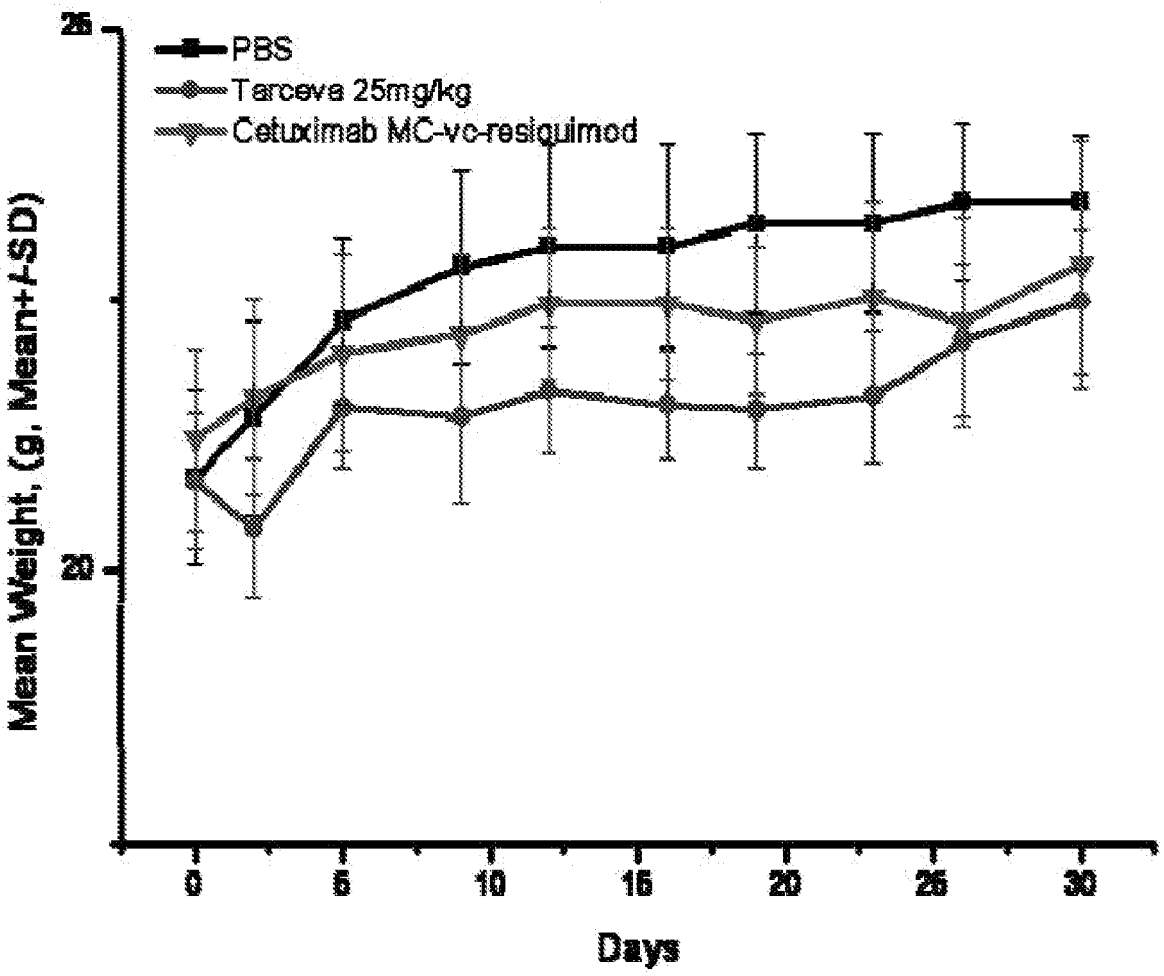

PBS
Tarceva 25mg/kg
Cetuximab MC-vc-resiquimod
Mean Weight, (g, Mean+/-SD)
25
0
5
10
15
20
25
30
Days

Figure 5B