Fig 1A

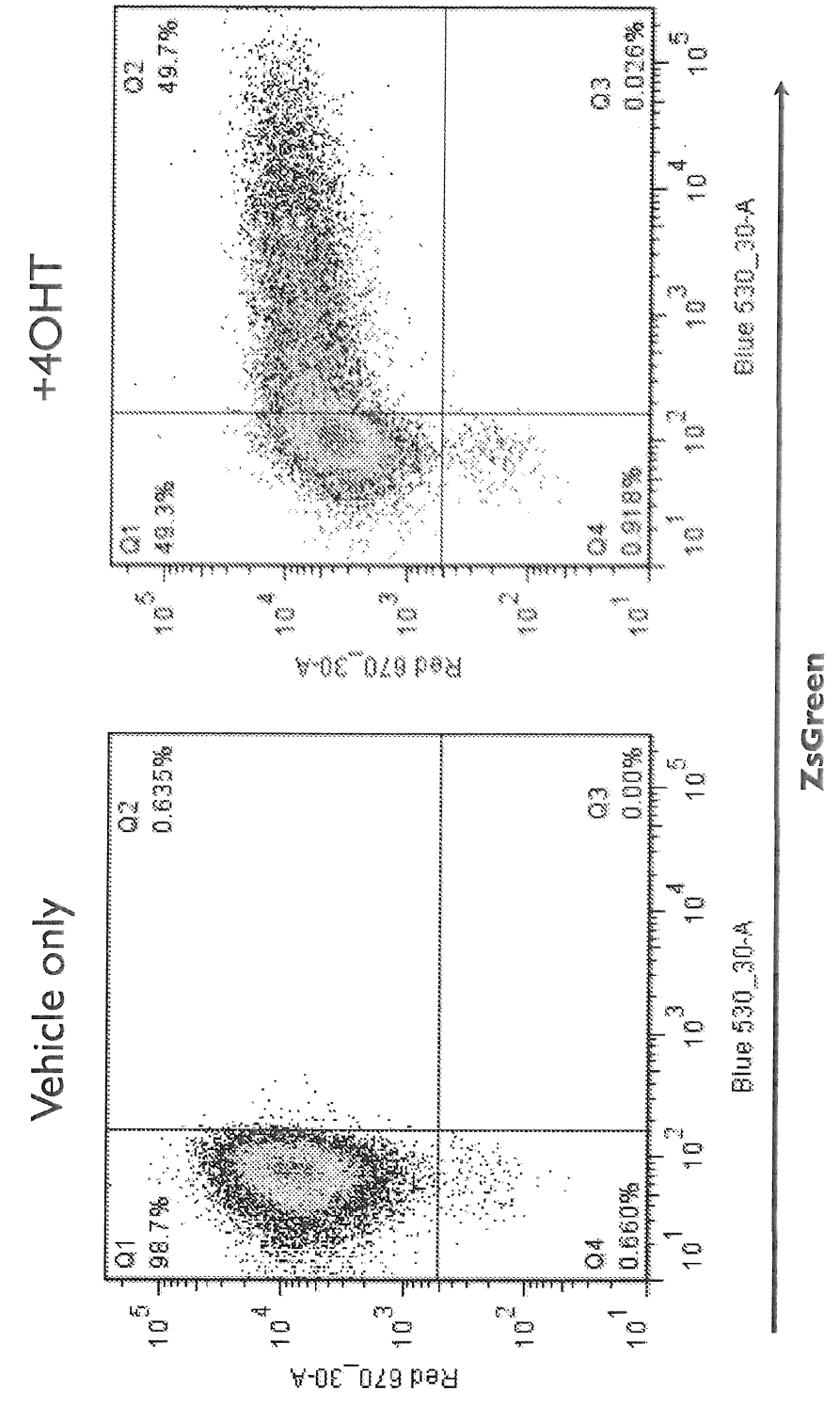

+4OHT
Vehicle only
Q1
49.3%
Q2
49.7%
Q3
0.026%
Q4
0.918%
Q1
98.7%
Q2
0.635%
Q3
0.00%
Q4
0.660%
Red 670_30-A
Blue 530_30-A
EGFRt
ZsGreen

Fig 1B

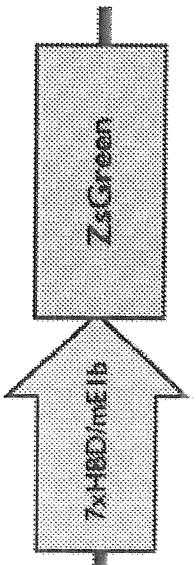

A
B
7xHRE/minE1b
ZsGreen

Fig 2

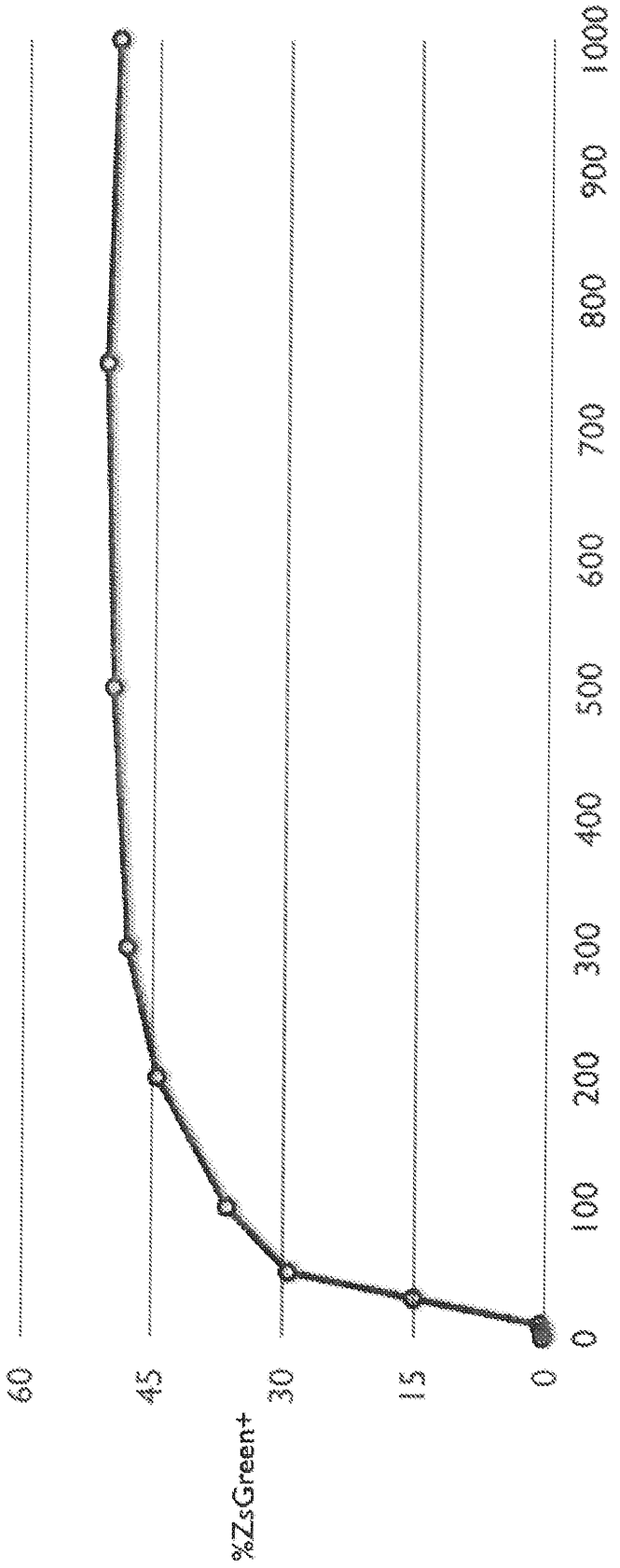

60
45
30
15
0
%ZsGreen+
0
100
200
300
400
500
600
700
800
900
1000
Concentration of 4OHT (nM)

Fig 3

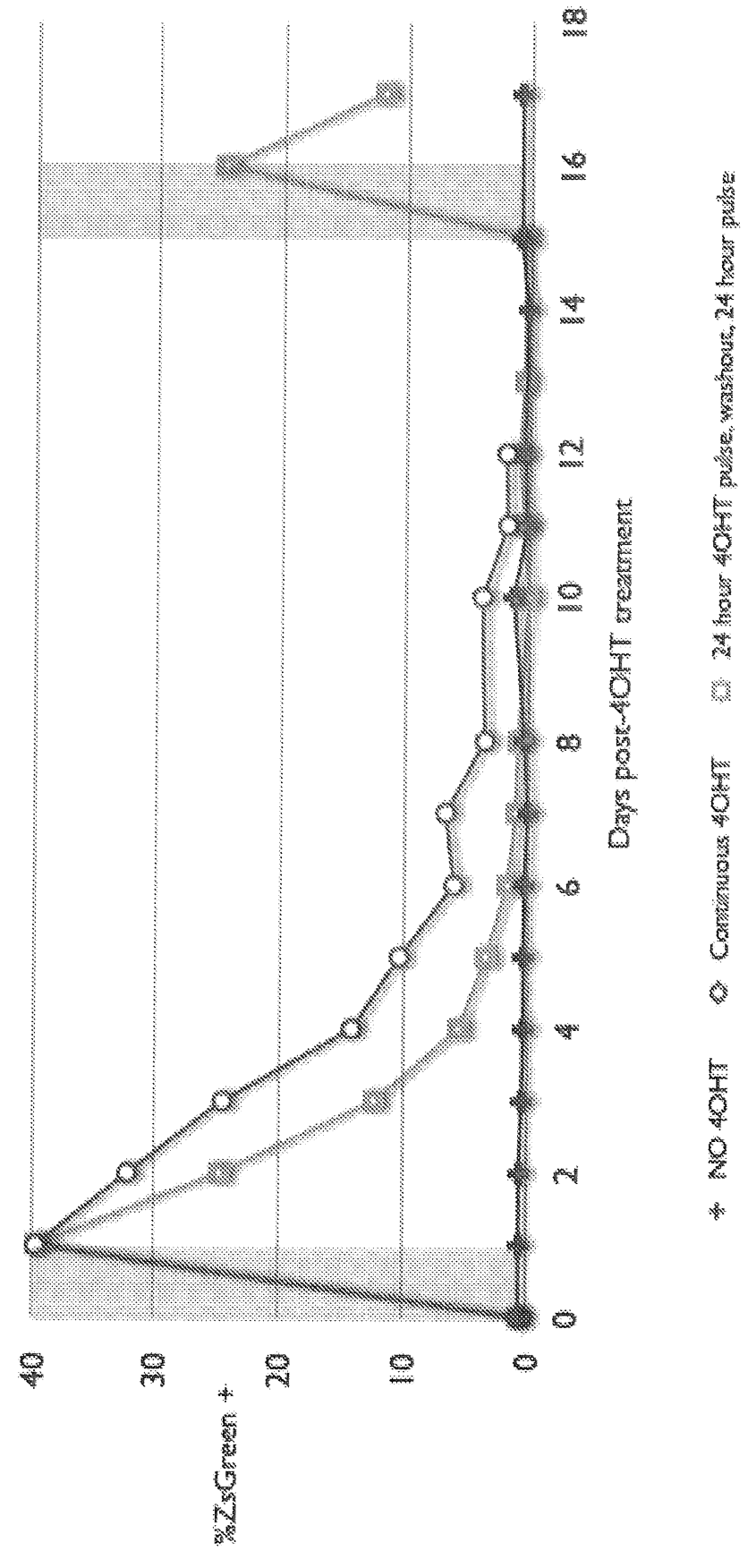

%ZsGreen +
40
30
20
10
0
0
2
4
6
8
10
12
14
16
18
Days post-4OHT treatment
NO 4OHT
Continuous 4OHT
24 hour 4OHT pulse, washout, 24 hour pulse

Fig 4A

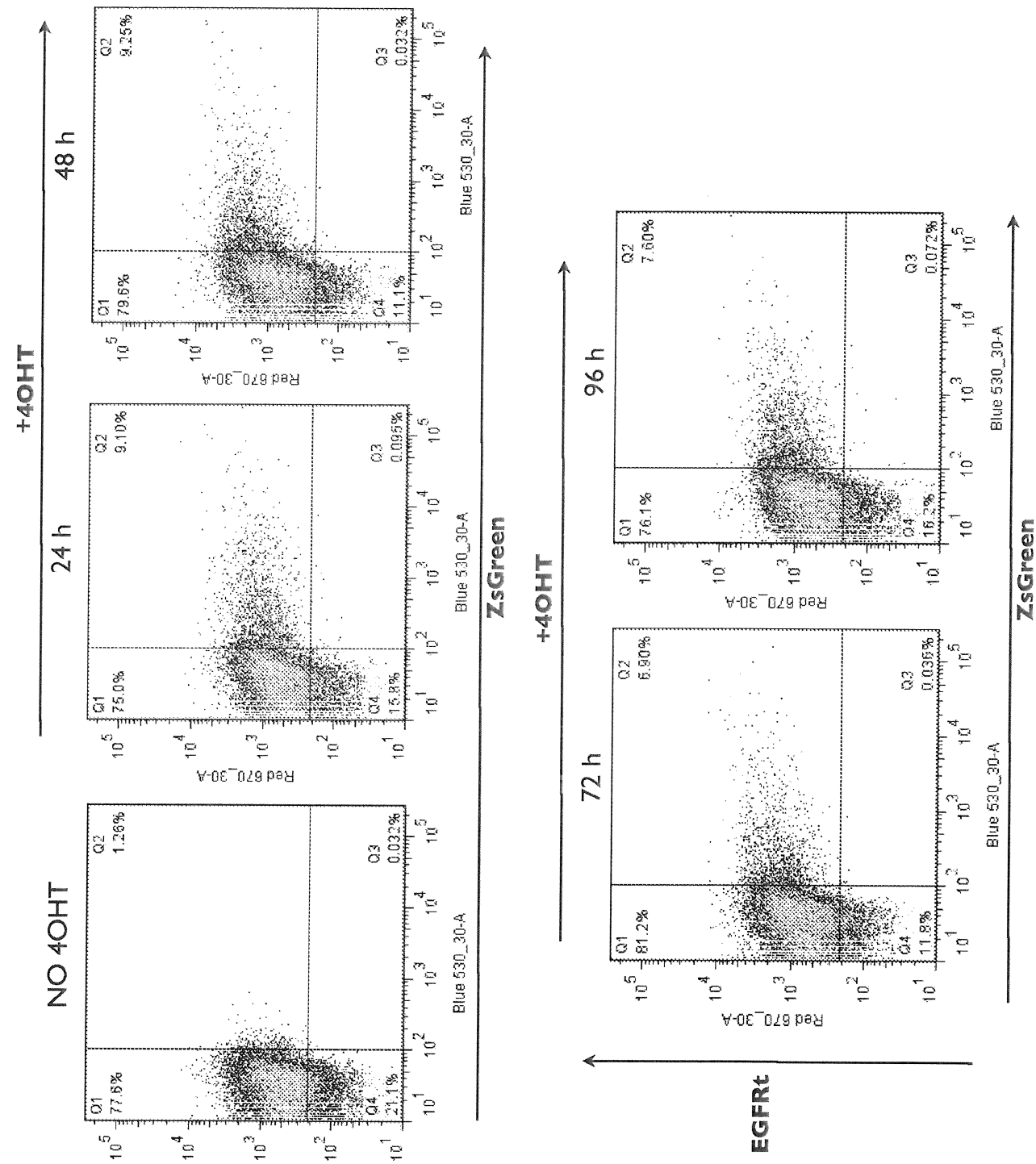

NO 4OHT
+4OHT
24 h
48 h
72 h
96 h
EGFRt
ZsGreen
Red 670_30-A
Blue 530_30-A
Q1 77.6%
Q2 1.26%
Q3 0.033%
Q4 21.1%
Q1 75.0%
Q2 9.10%
Q3 0.095%
Q4 15.8%
Q1 79.6%
Q2 9.25%
Q3 0.032%
Q4 11.1%
Q1 81.2%
Q2 6.90%
Q3 0.036%
Q4 11.8%
Q1 76.1%
Q2 7.60%
Q3 0.072%
Q4 16.2%

Fig 4B

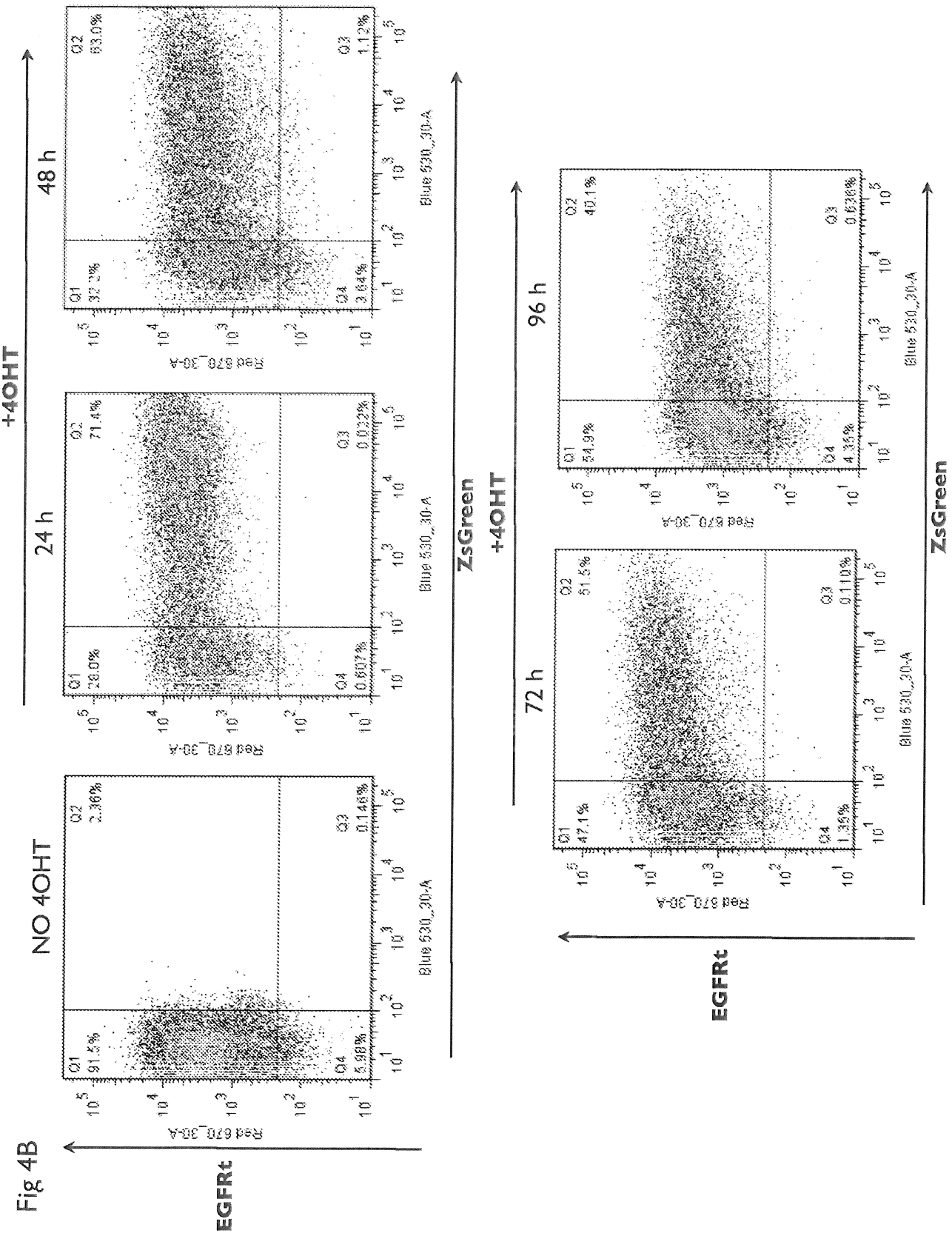
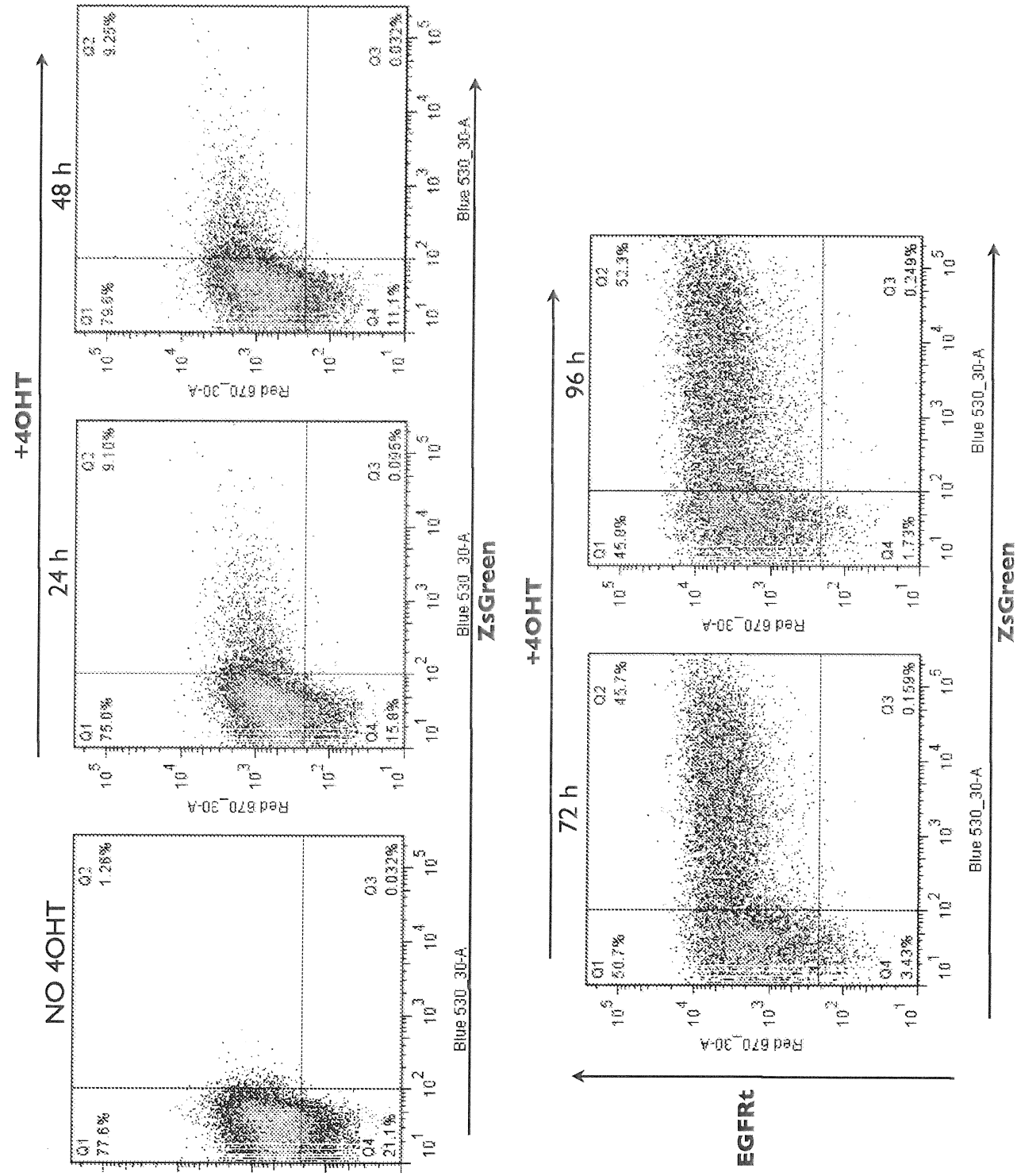

NO 4OHT
+4OHT
24 h
48 h
72 h
96 h
EGFRt
ZsGreen
Red 670_30-A
Blue 530_30-A
Q1 91.5%
Q2 2.36%
Q3 0.1468%
Q4 5.98%
Q1 28.0%
Q2 71.4%
Q3 0.0233%
Q4 0.607%
Q1 32.2%
Q2 63.0%
Q3 1.12%
Q4 3.64%
Q1 47.1%
Q2 51.5%
Q3 0.1110%
Q4 1.35%
Q1 54.9%
Q2 40.1%
Q3 0.636%
Q4 4.35%

Fig 4C


NO 4OHT
+4OHT
24 h
48 h
72 h
96 h
EGFRt
ZsGreen
Red 670_30-A
Blue 530_30-A
Q1 77.6%
Q2 1.28%
Q3 0.032%
Q4 21.1%
Q1 75.0%
Q2 9.10%
Q3 0.096%
Q4 15.8%
Q1 79.6%
Q2 9.25%
Q3 0.832%
Q4 11.1%
Q1 50.7%
Q2 45.7%
Q3 0.159%
Q4 3.43%
Q1 45.9%
Q2 53.3%
Q3 0.249%
Q4 1.73%

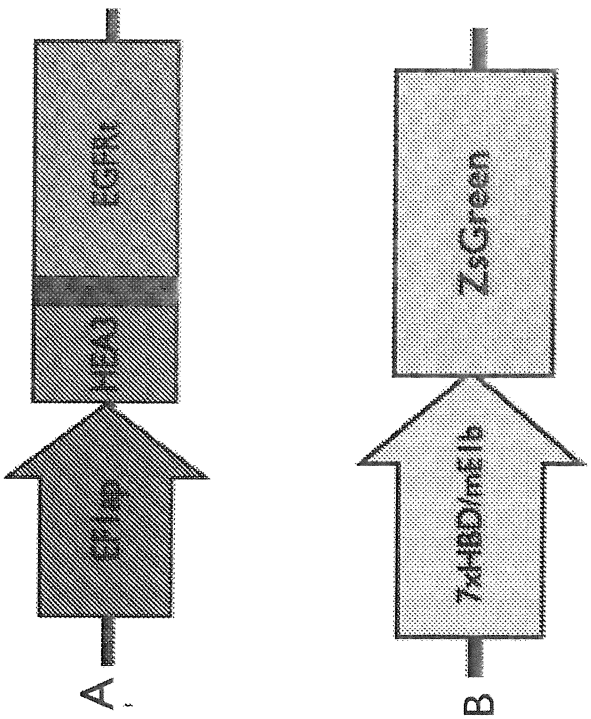


Fig 4D

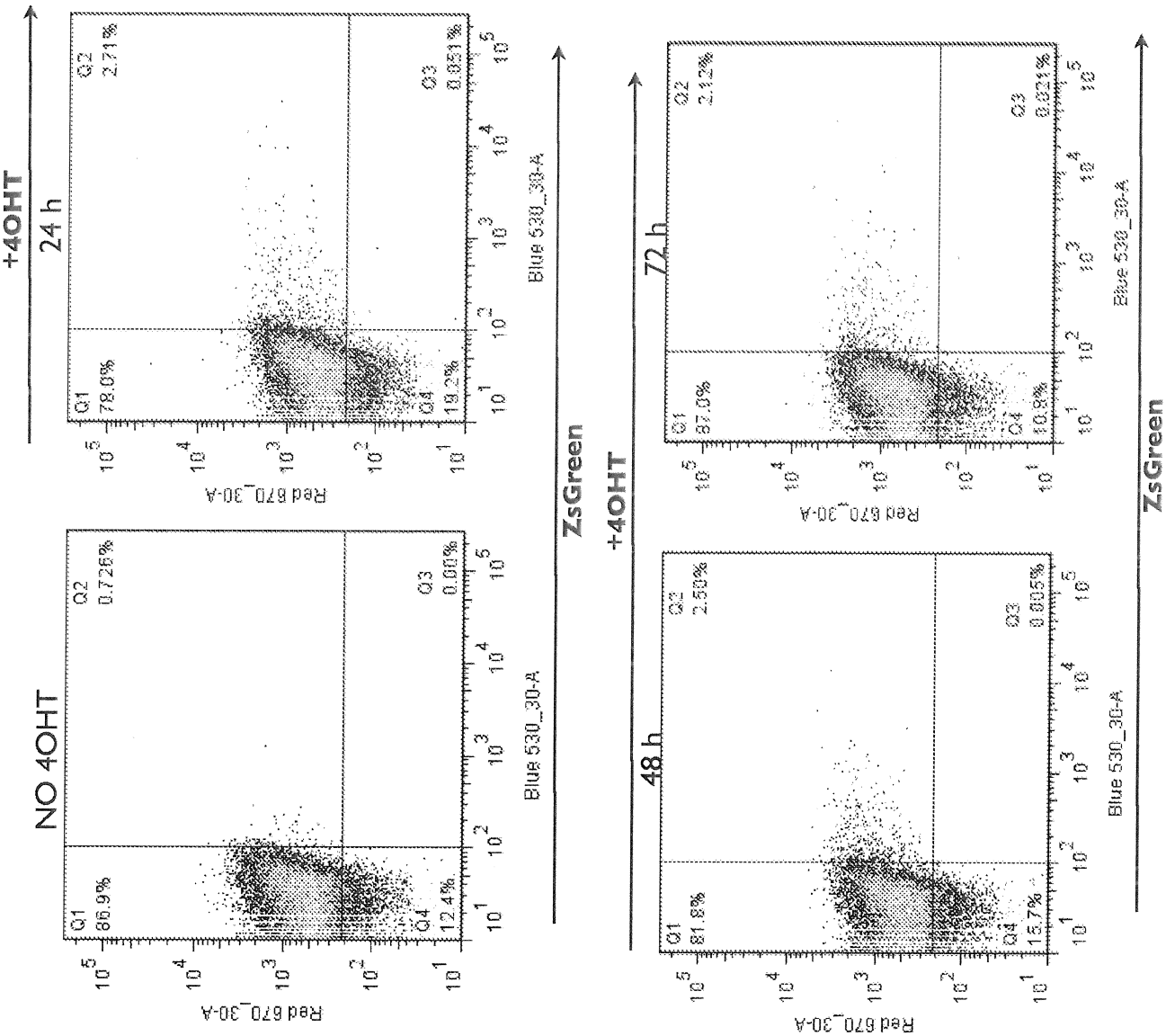

NO 4OHT
+4OHT
24 h
48 h
72 h
Red 670_30-A
Blue 530_30-A
ZsGreen
Q1
Q2
Q3
Q4
86.9%
0.726%
0.00%
12.4%
78.0%
2.71%
0.851%
19.2%
81.8%
2.50%
0.005%
15.7%
87.0%
2.12%
0.021%
10.9%

Fig 5A

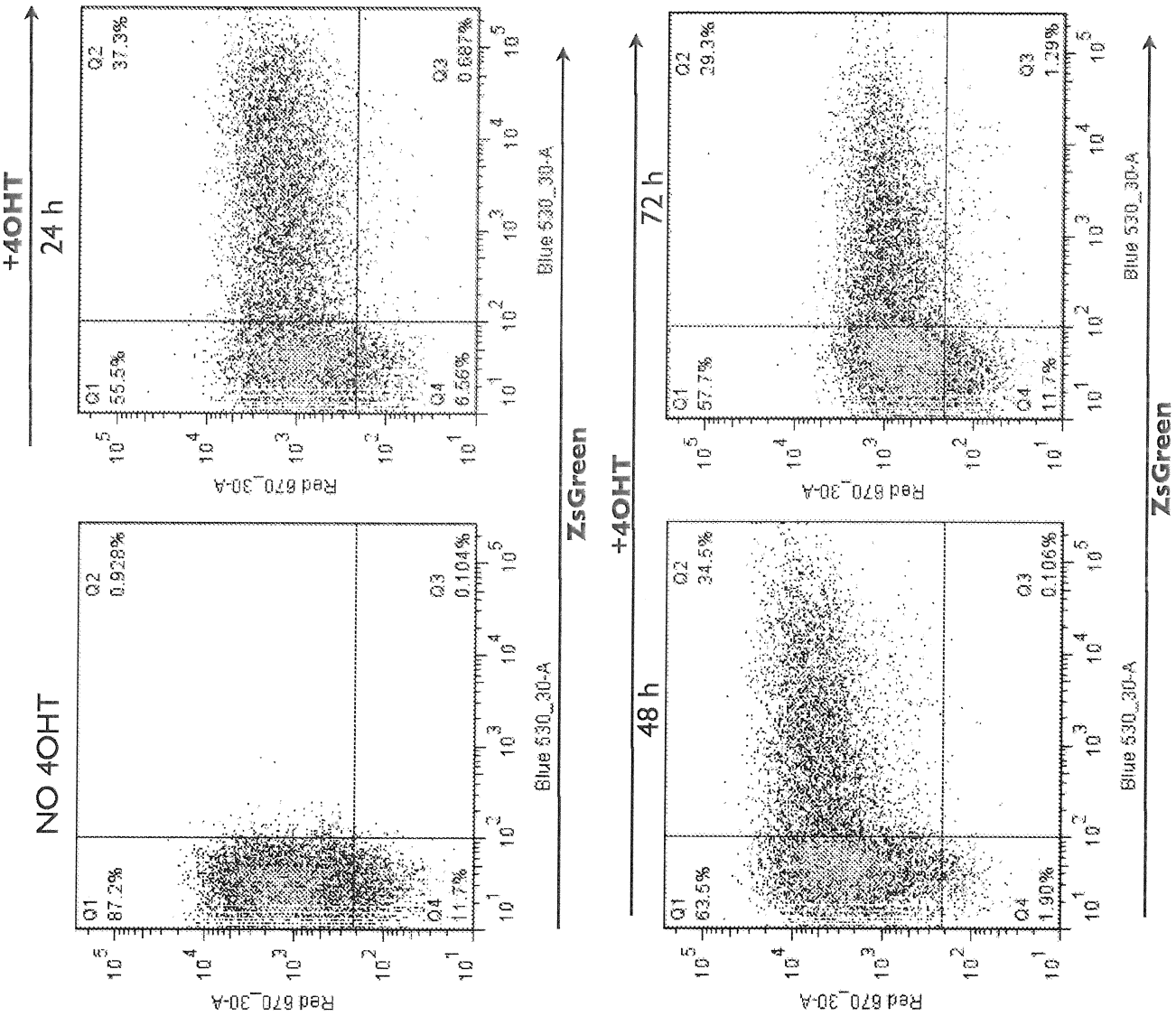

NO 4OHT
+4OHT
24 h
48 h
72 h
Q1
87.2%
Q2
0.928%
Q3
0.104%
Q4
11.7%
Q1
55.5%
Q2
37.3%
Q3
0.687%
Q4
6.56%
Q1
63.5%
Q2
34.5%
Q3
0.106%
Q4
1.90%
Q1
57.7%
Q2
29.3%
Q3
1.29%
Q4
11.7%
Red 670_30-A
Blue 530_30-A
ZsGreen

Fig 5B

Fig 5C

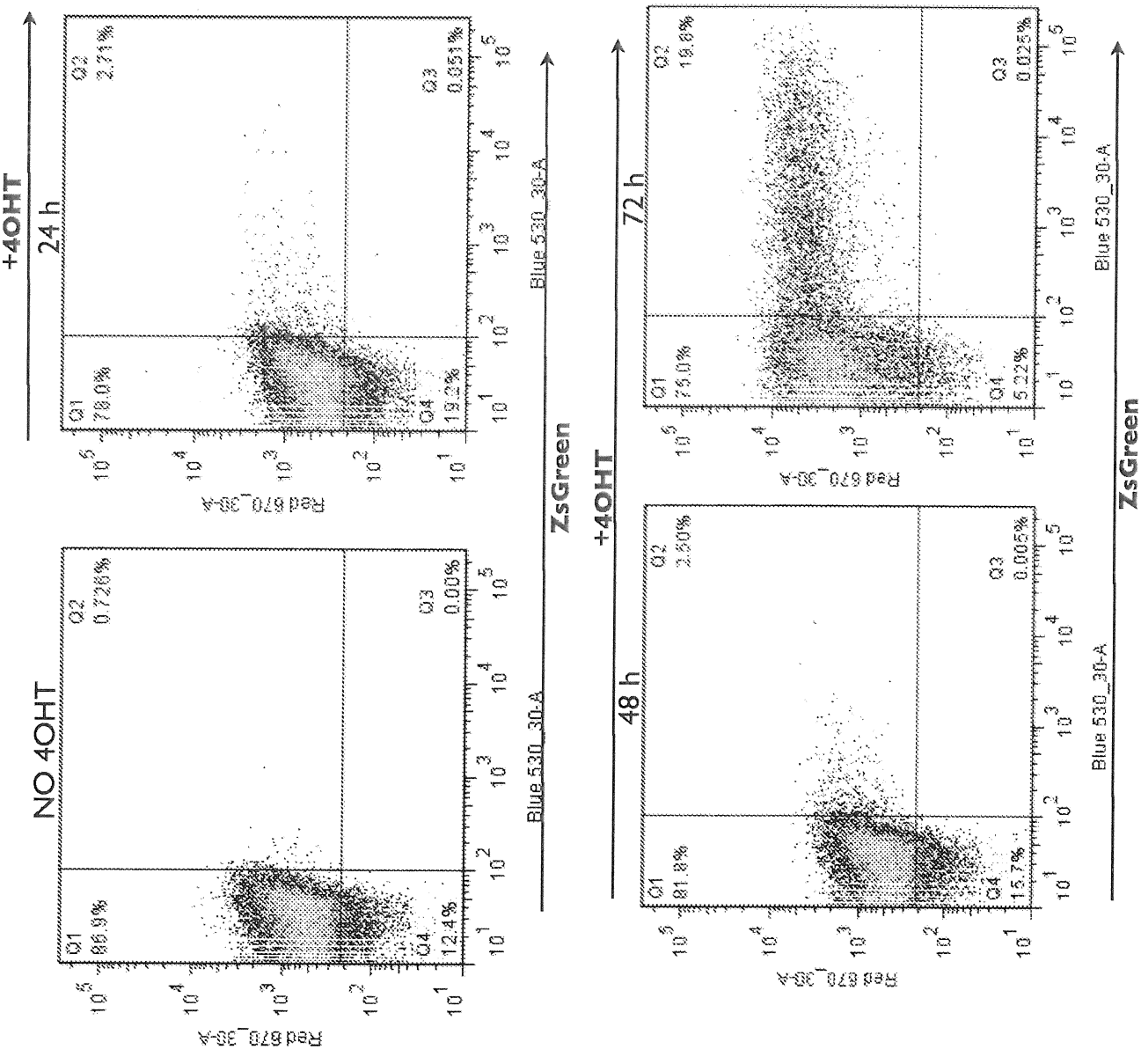

NO 4OHT
+4OHT
24 h
48 h
72 h
Q1
86.9%
Q2
0.726%
Q3
0.00%
Q4
12.4%
Q1
78.0%
Q2
2.71%
Q3
0.051%
Q4
19.2%
Q1
81.8%
Q2
2.50%
Q3
0.0059%
Q4
15.7%
Q1
75.0%
Q2
19.6%
Q3
0.025%
Q4
5.22%
Red 670_30-A
Blue 530_30-A
ZsGreen

Fig 6A

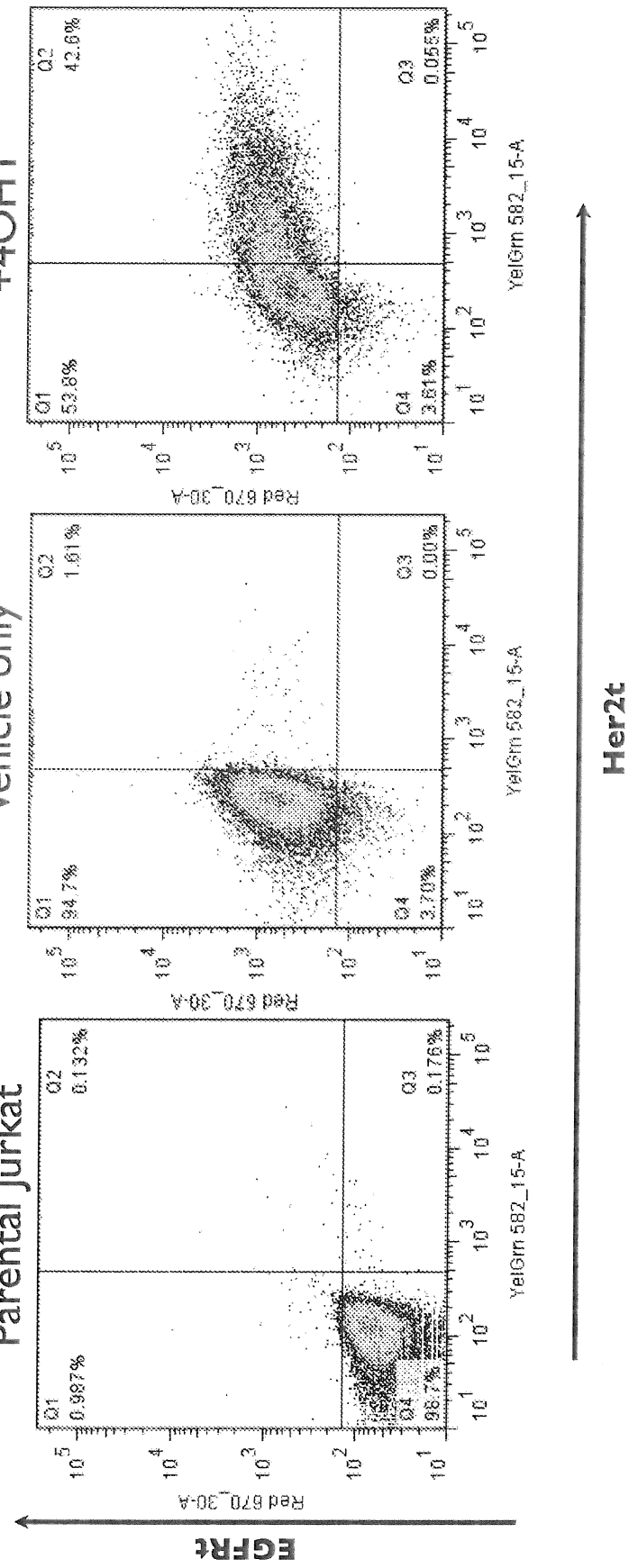

Parental Jurkat
Vehicle only
+4OHT
EGFRt
Her2t
Red 670_30-A
YelGrn 582_15-A
Q1 0.987%
Q2 0.132%
Q3 0.176%
Q4 98.7%
Q1 94.7%
Q2 1.61%
Q3 0.00%
Q4 3.70%
Q1 53.8%
Q2 42.6%
Q3 0.055%
Q4 3.61%

Fig 6B

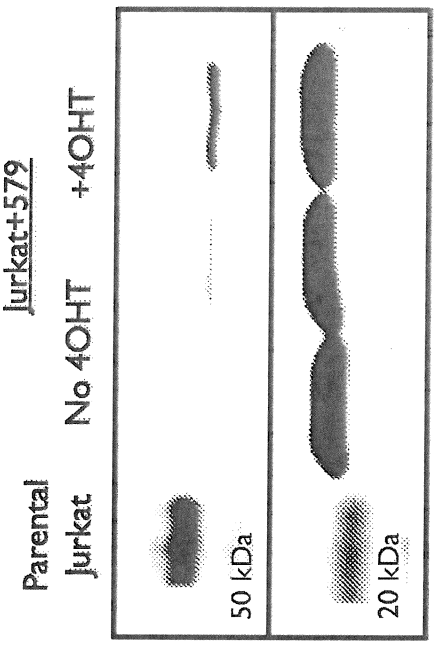

Parental
Jurkat
Jurkat+579
No 4OHT
+4OHT
50 kDa
20 kDa

Fig 6C

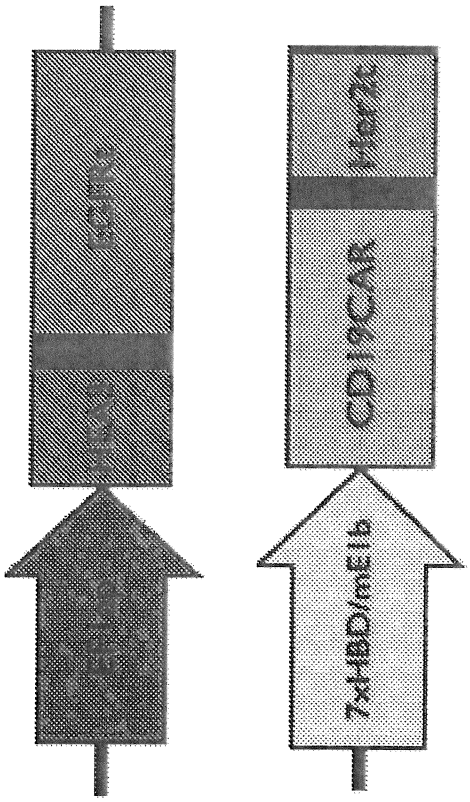
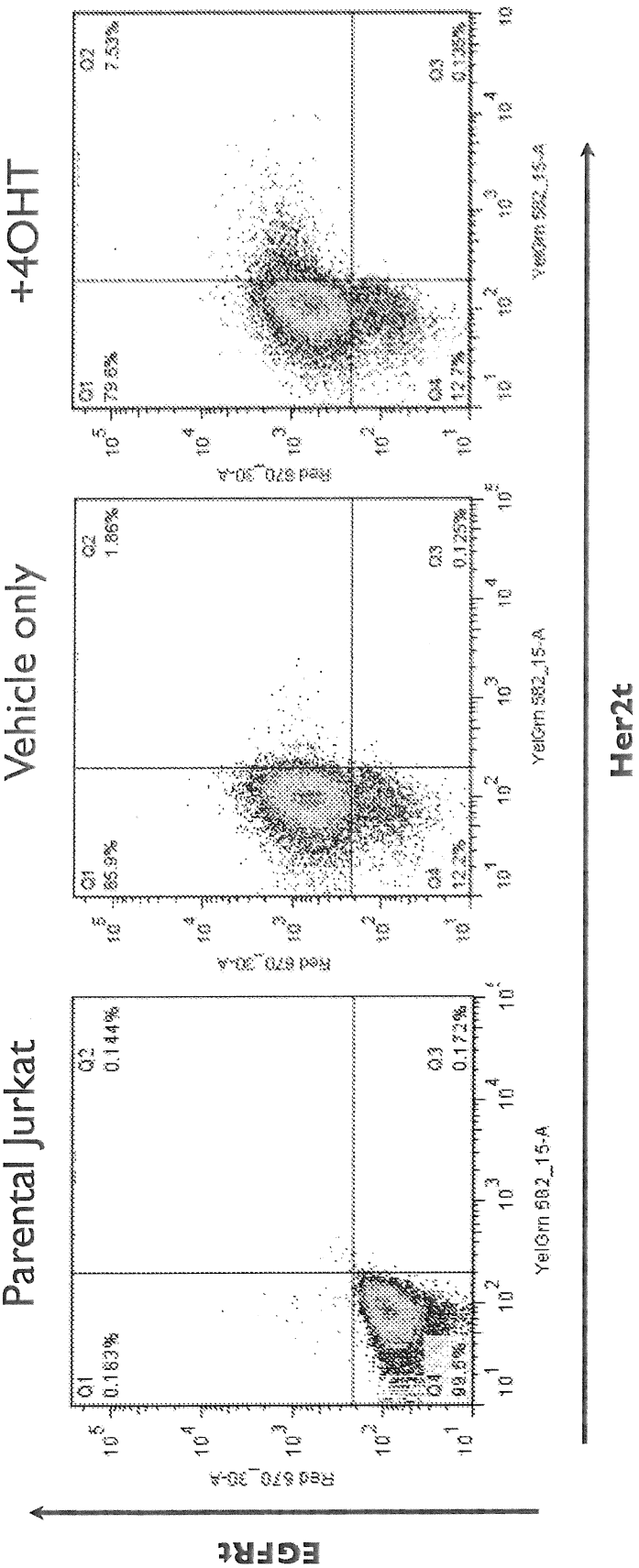

A
B
7xHRE
7xHRE3D/mE1b
ESR1
CD19CAR
Her2t

Fig 7A


Parental Jurkat
Vehicle only
+4OHT
EGFRt
Her2t
Red 670_30-A
YelGrn 582_15-A
Q1
Q2
Q3
Q4
0.183%
0.144%
0.172%
99.6%
85.9%
1.86%
0.125%
12.2%
79.8%
7.53%
0.135%
12.7%

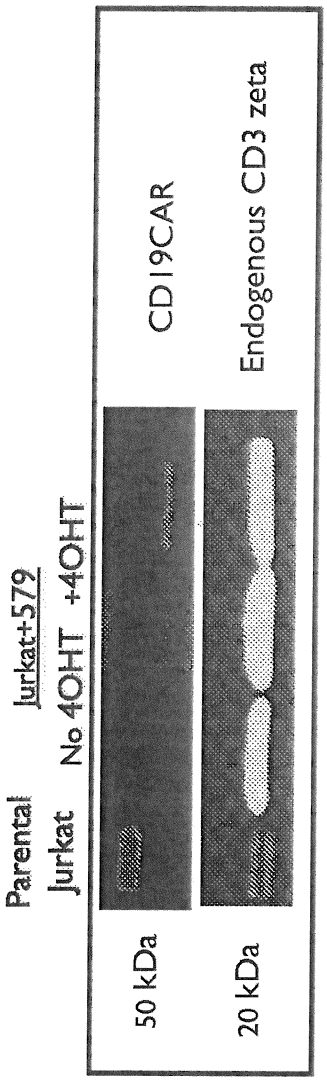

Parental Jurkat
Jurkat+5Z9
No 4OHT
+4OHT
50 kDa
20 kDa
CD19CAR
Endogenous CD3 zeta

Fig 7B

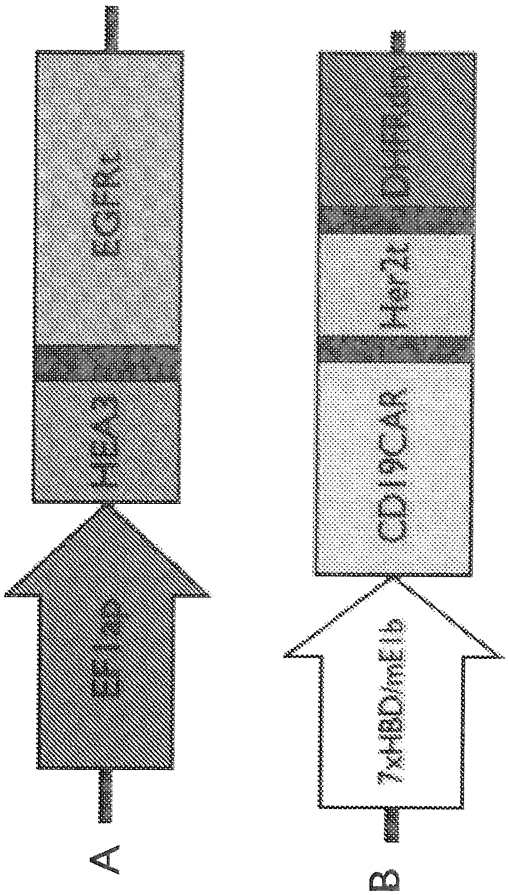
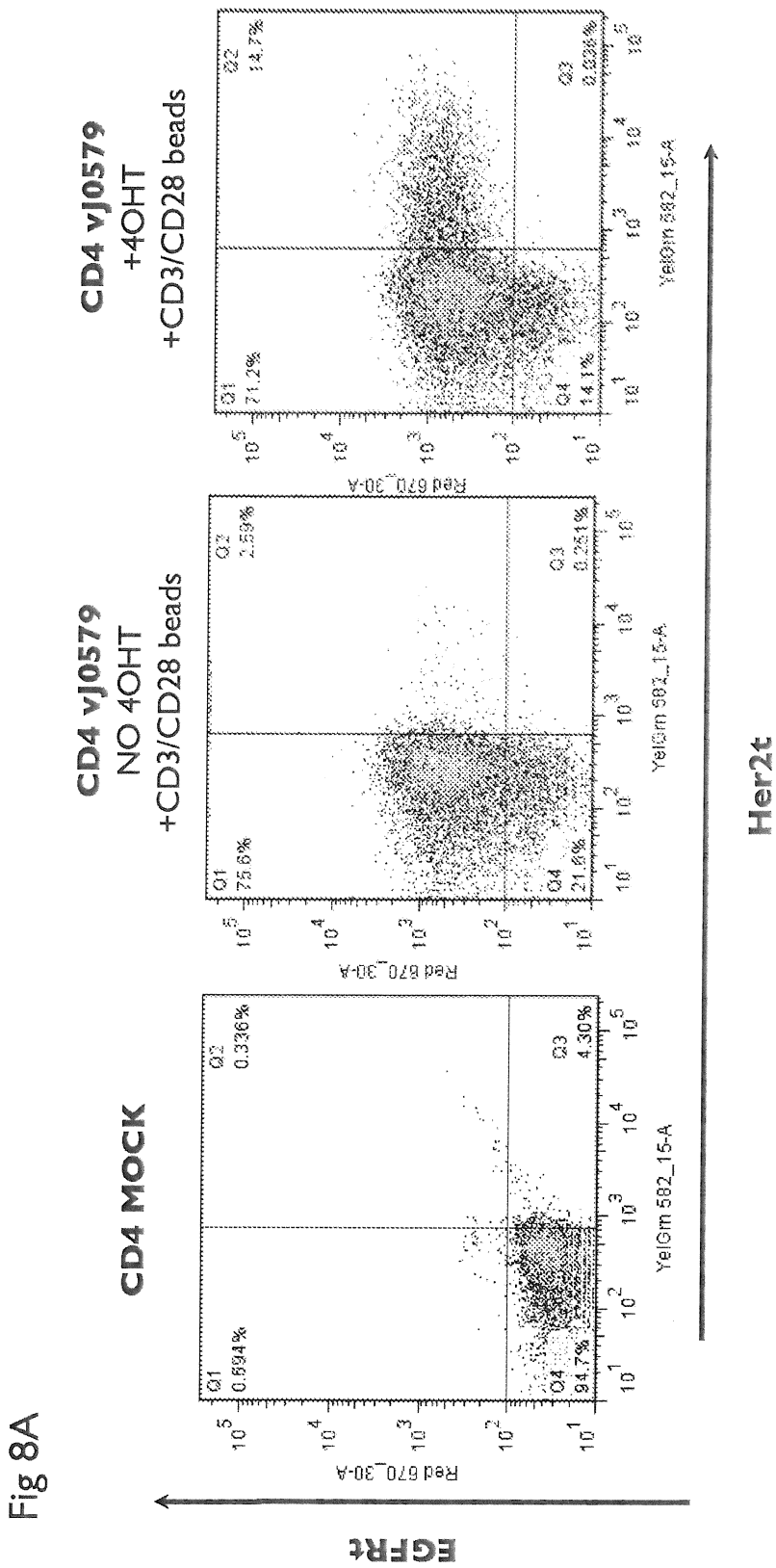

A
EF1αp
HER3
EGFRt
B
7xHBDmE1b
CD19CAR
Her2t

Fig 7C

Fig 8A


CD4 MOCK
CD4 vJ0579
NO 4OHT
+CD3/CD28 beads
CD4 vJ0579
+4OHT
+CD3/CD28 beads
EGFRt
Her2t
Red 670_30-A
YelOm 582_15-A
Q1 0.694%
Q2 0.336%
Q3 4.30%
Q4 94.7%
Q1 75.6%
Q2 2.59%
Q3 8.251%
Q4 21.6%
Q3 71.2%
Q2 14.7%
Q4 14.1%

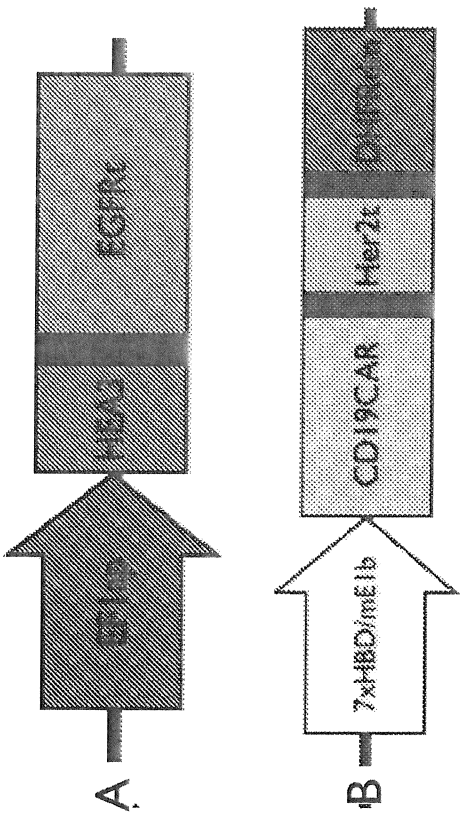


Fig 8B