Figure 1

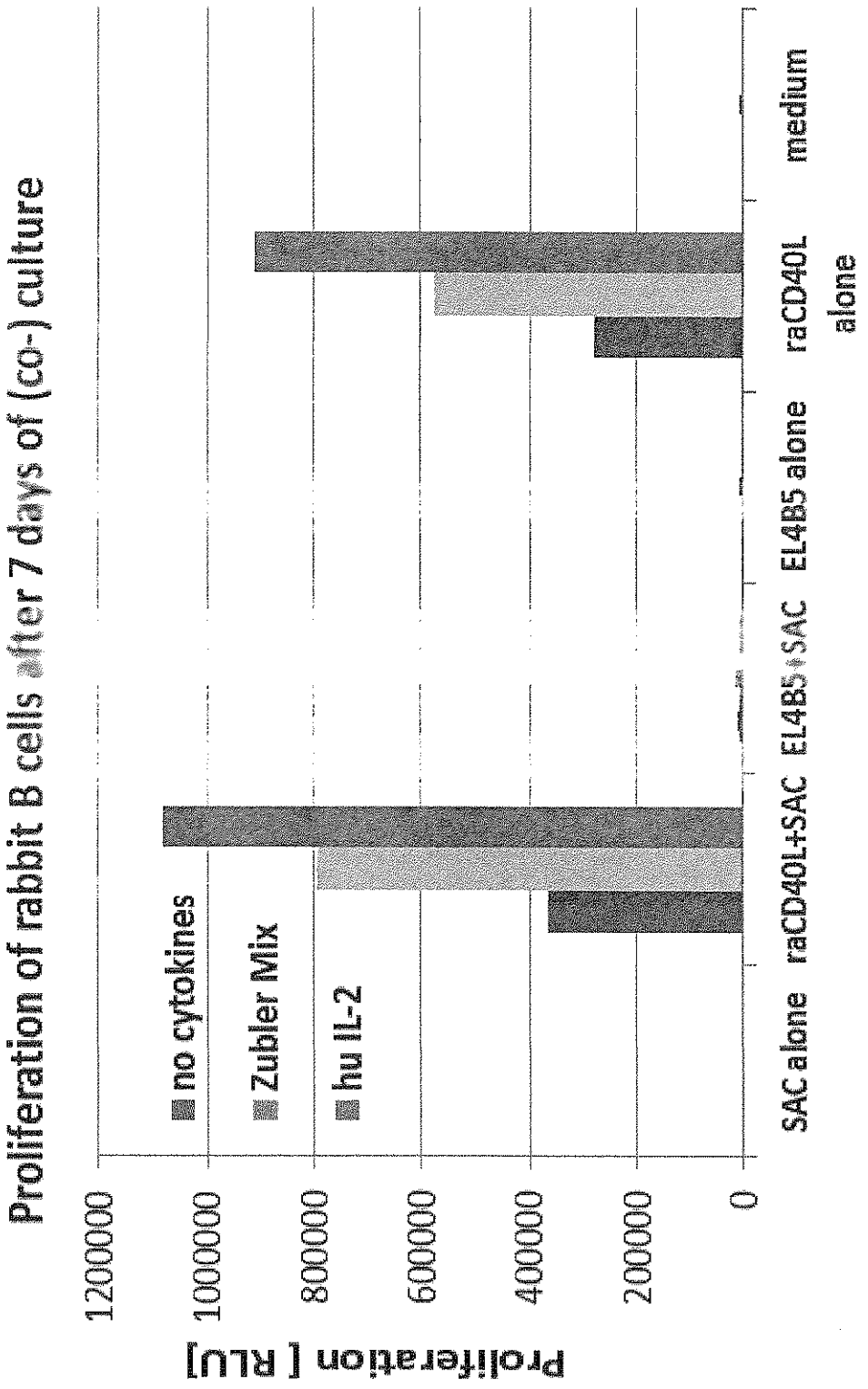
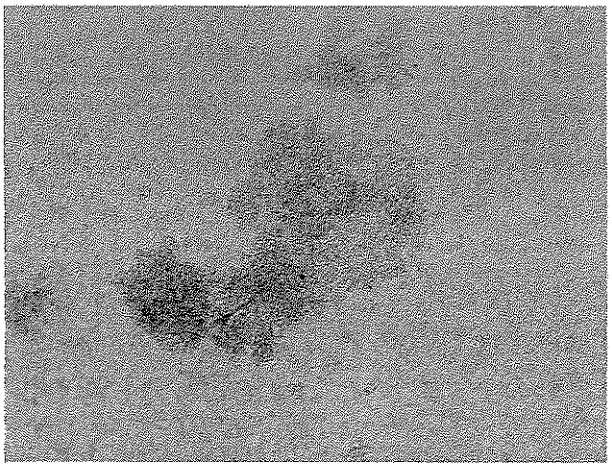
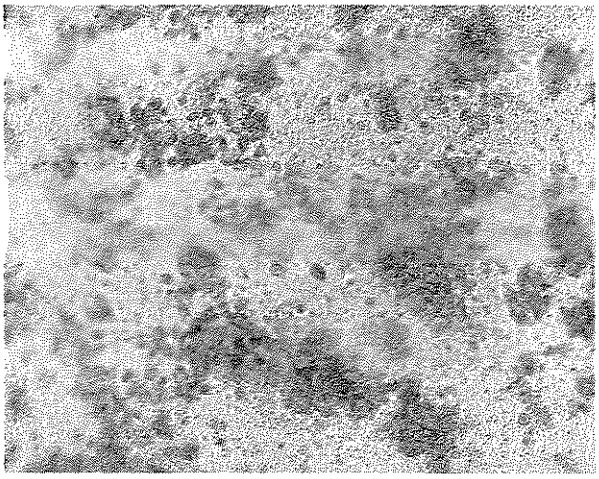

Proliferation of rabbit B cells after 7 days of (co-) culture
Proliferation [RLU]
1200000
1000000
800000
600000
400000
200000
0
no cytokines
Zubler Mix
hu IL-2
SAC alone
raCD40L+SAC
EL4B5+SAC
EL4B5 alone
raCD40L alone
medium

Figure 2

a)



b)



c)

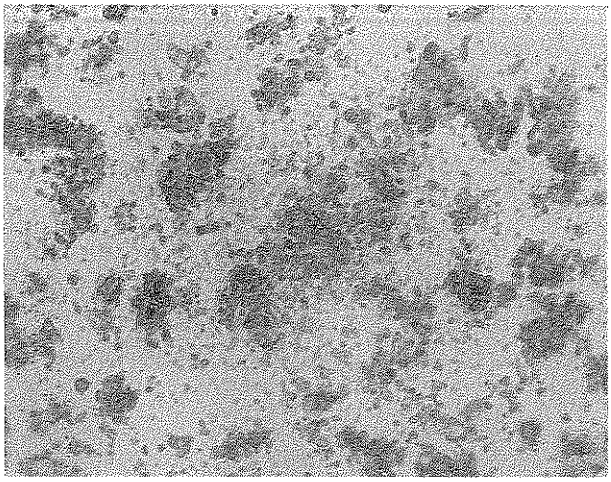
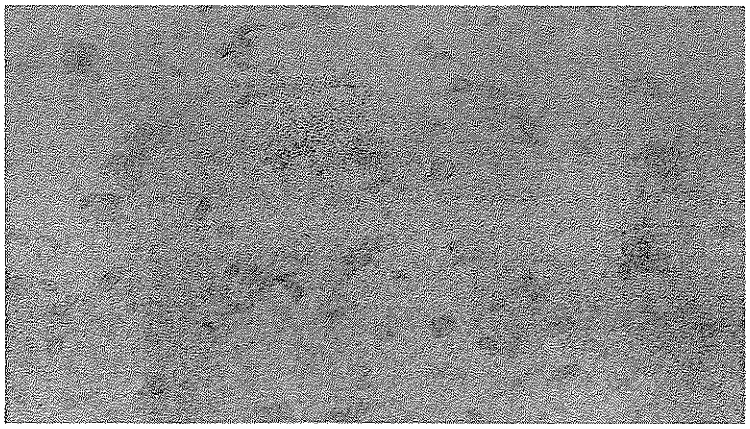
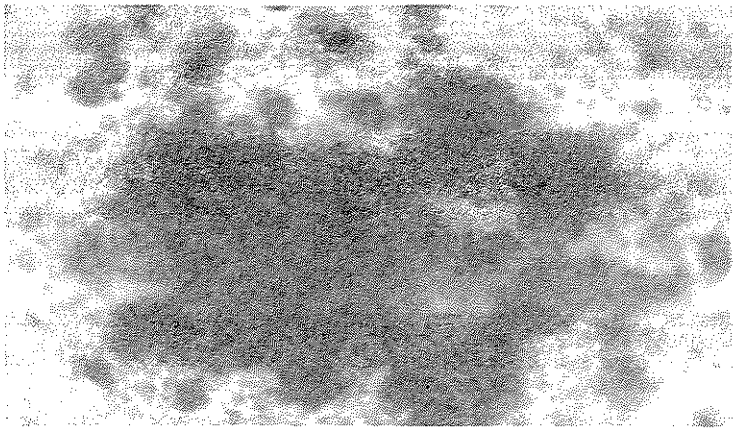


Figure 2

d)



e)



f)

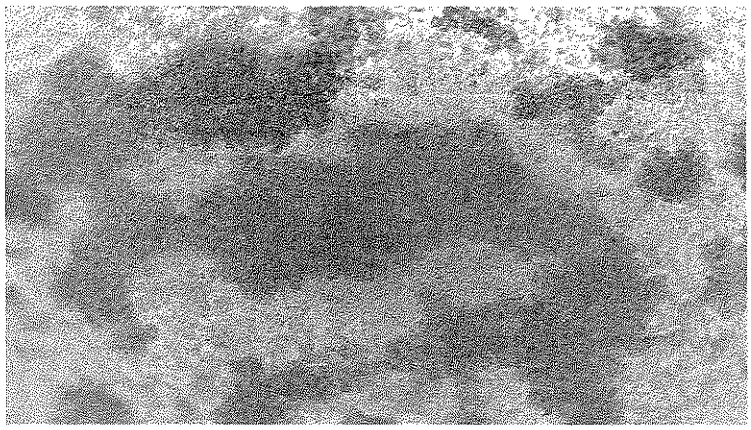
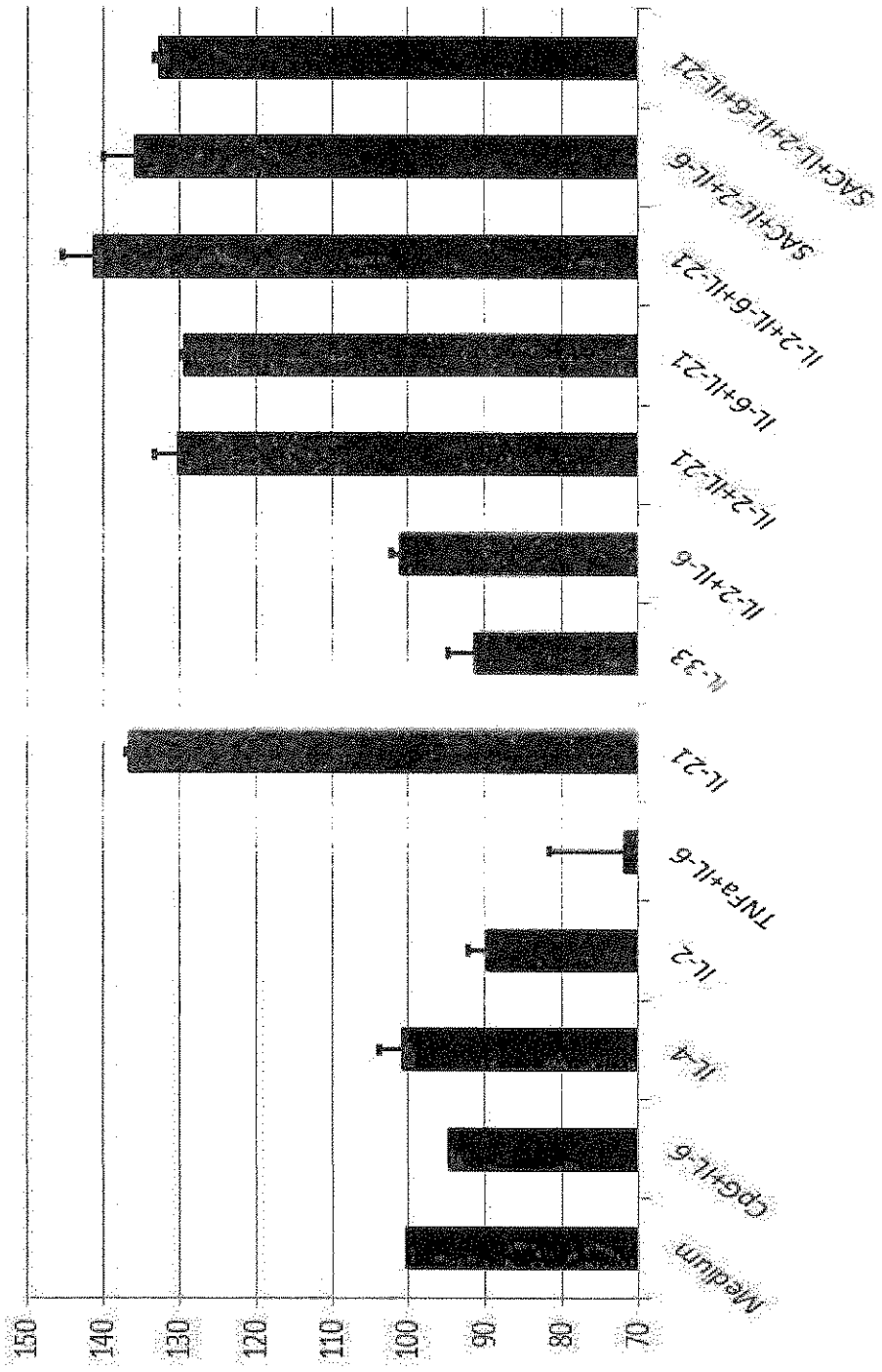


Figure 3



B-cell proliferation
[RLU/CTG assay]

Figure 4

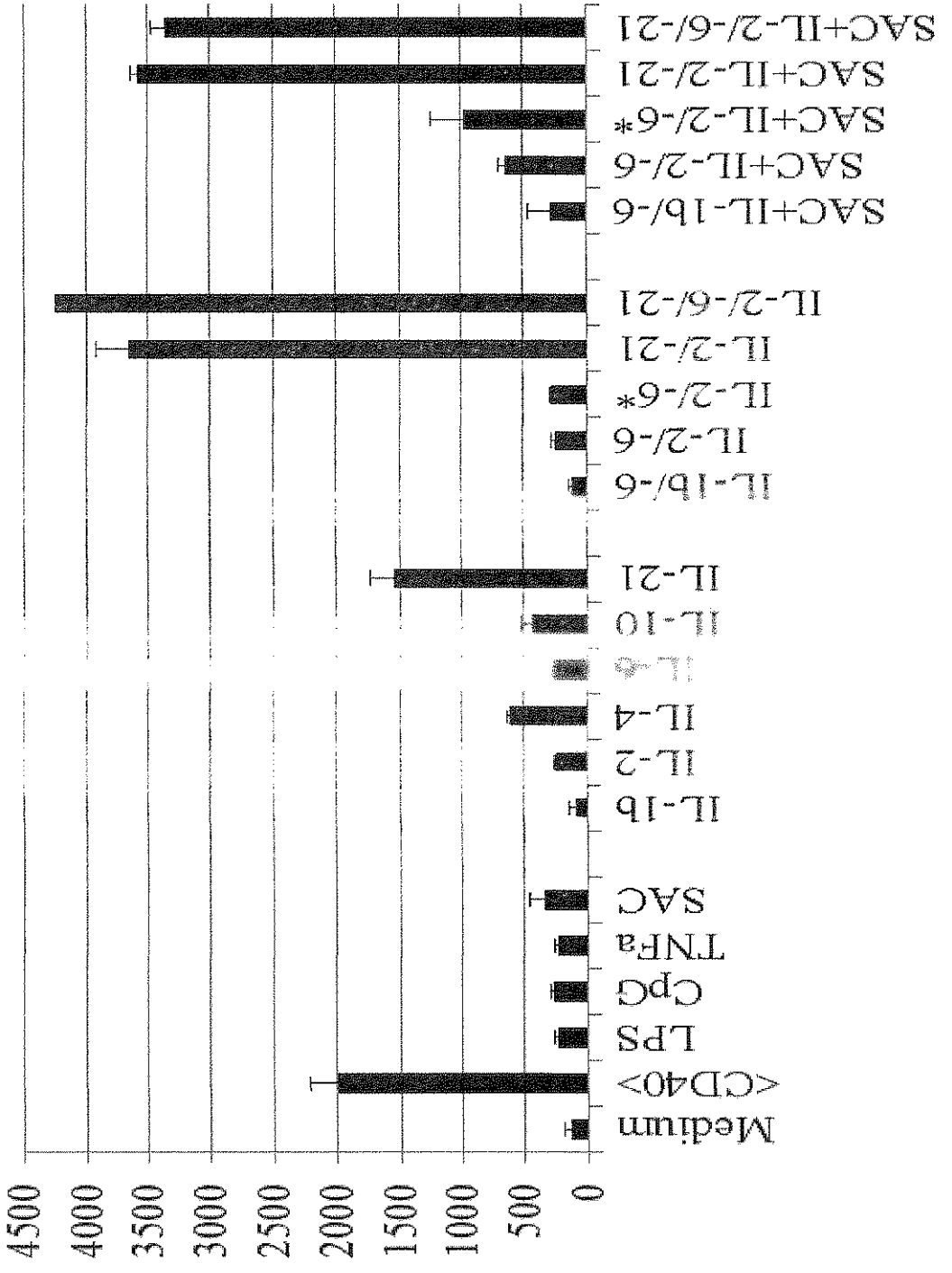

B cell proliferation (abs. cell #)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Medium
<CD40>
LPS
CpG
TNFa
SAC
IL-1b
IL-2
IL-4
IL-10
IL-21
IL-1b/-6
IL-2/-6
IL-2/-6*
IL-2/-21
IL-2/-6/-21
SAC+IL-1b/-6
SAC+IL-2/-6
SAC+IL-2/-6*
SAC+IL-2/-21
SAC+IL-2/-6/-21

Figure 5

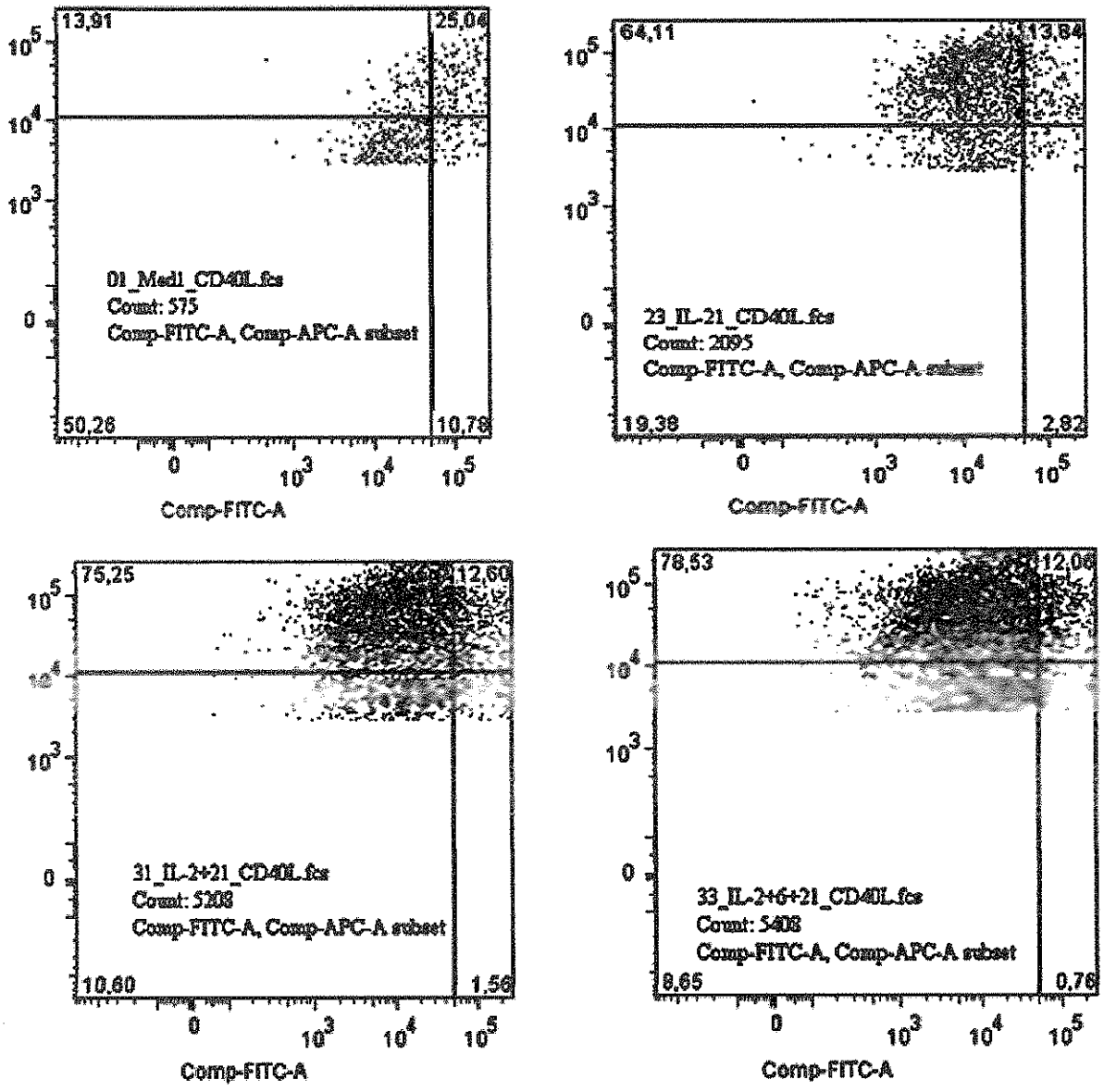
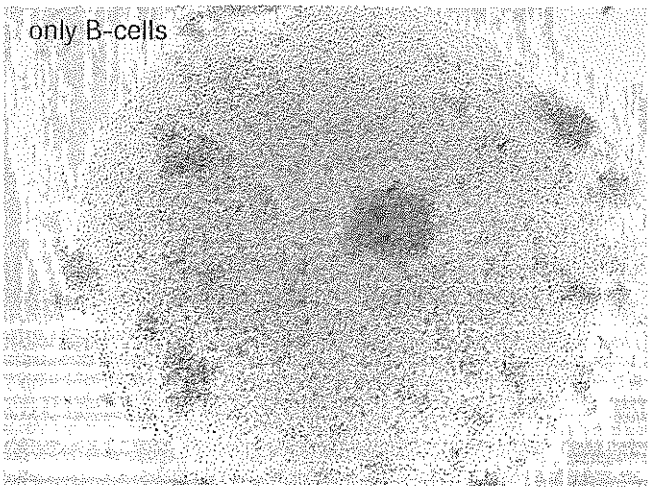
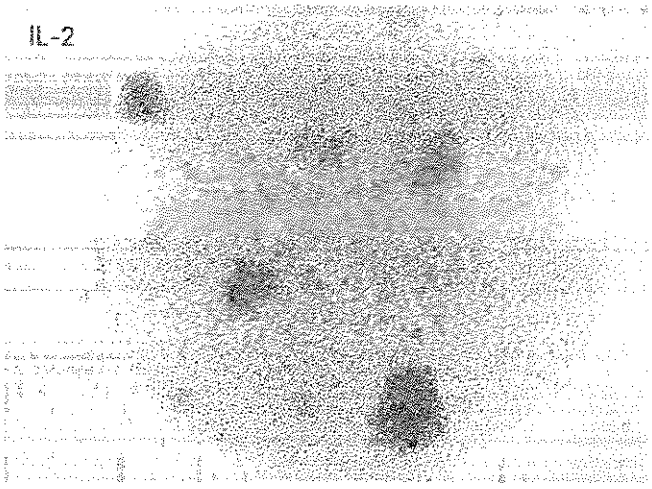

13,91
25,04
01_Med1_CD40L.fcs
Count: 575
Comp-FITC-A, Comp-APC-A subset
50,26
10,78
Comp-FITC-A
64,11
13,84
23_IL-21_CD40L.fcs
Count: 2095
Comp-FITC-A, Comp-APC-A subset
19,38
2,82
Comp-FITC-A
75,25
12,60
31_IL-2+21_CD40L.fcs
Count: 5208
Comp-FITC-A, Comp-APC-A subset
10,60
1,56
Comp-FITC-A
78,53
12,06
33_IL-2+6+21_CD40L.fcs
Count: 5408
Comp-FITC-A, Comp-APC-A subset
8,65
0,76
Comp-FITC-A

Figure 6

a)



b)



c)

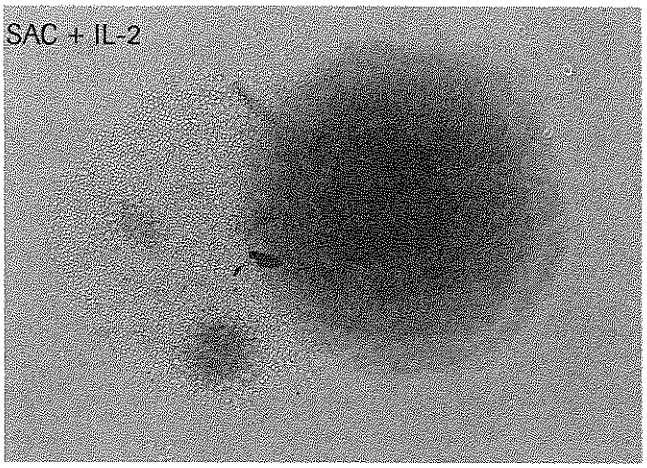


Figure 7

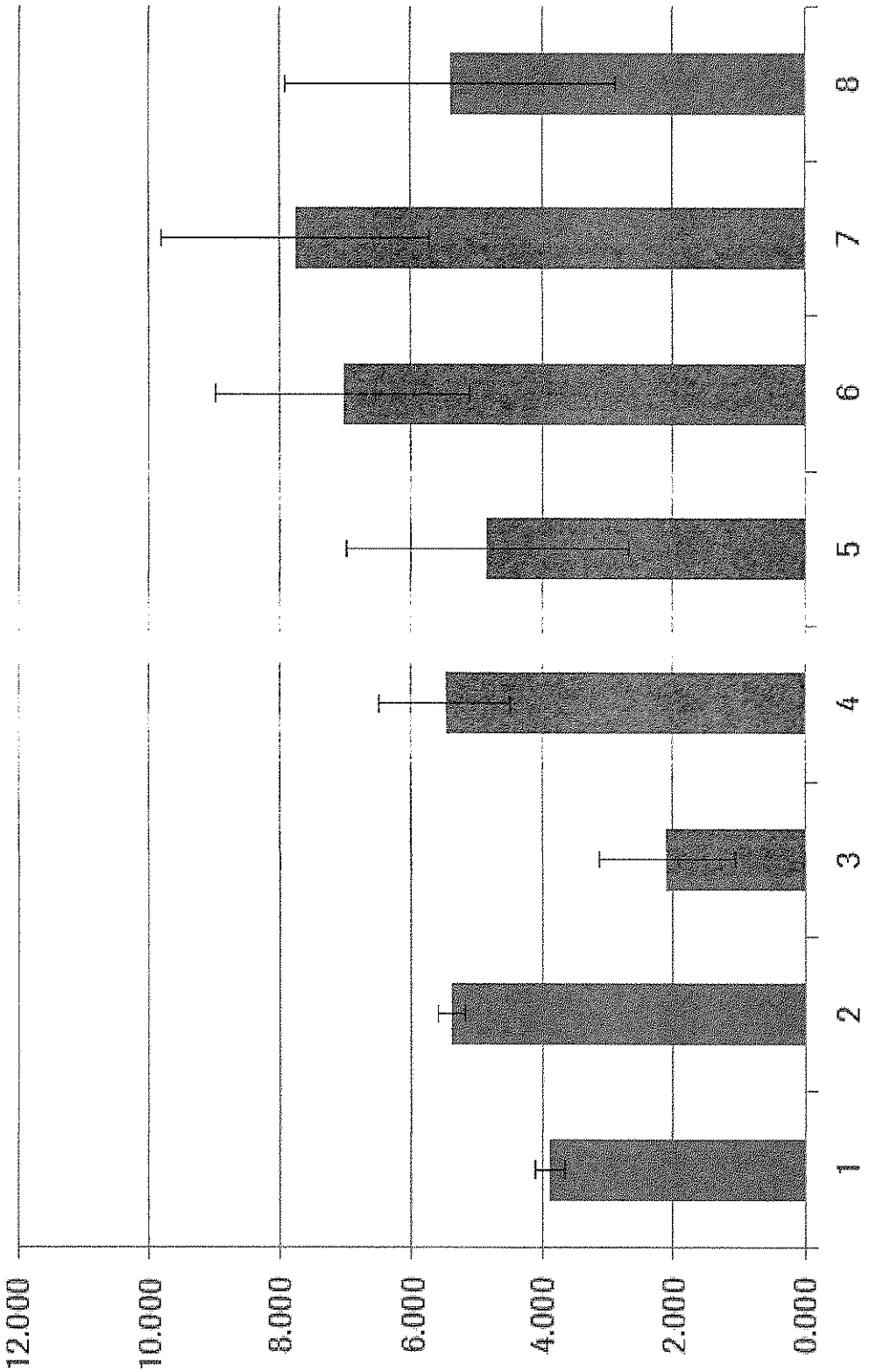


Figure 8

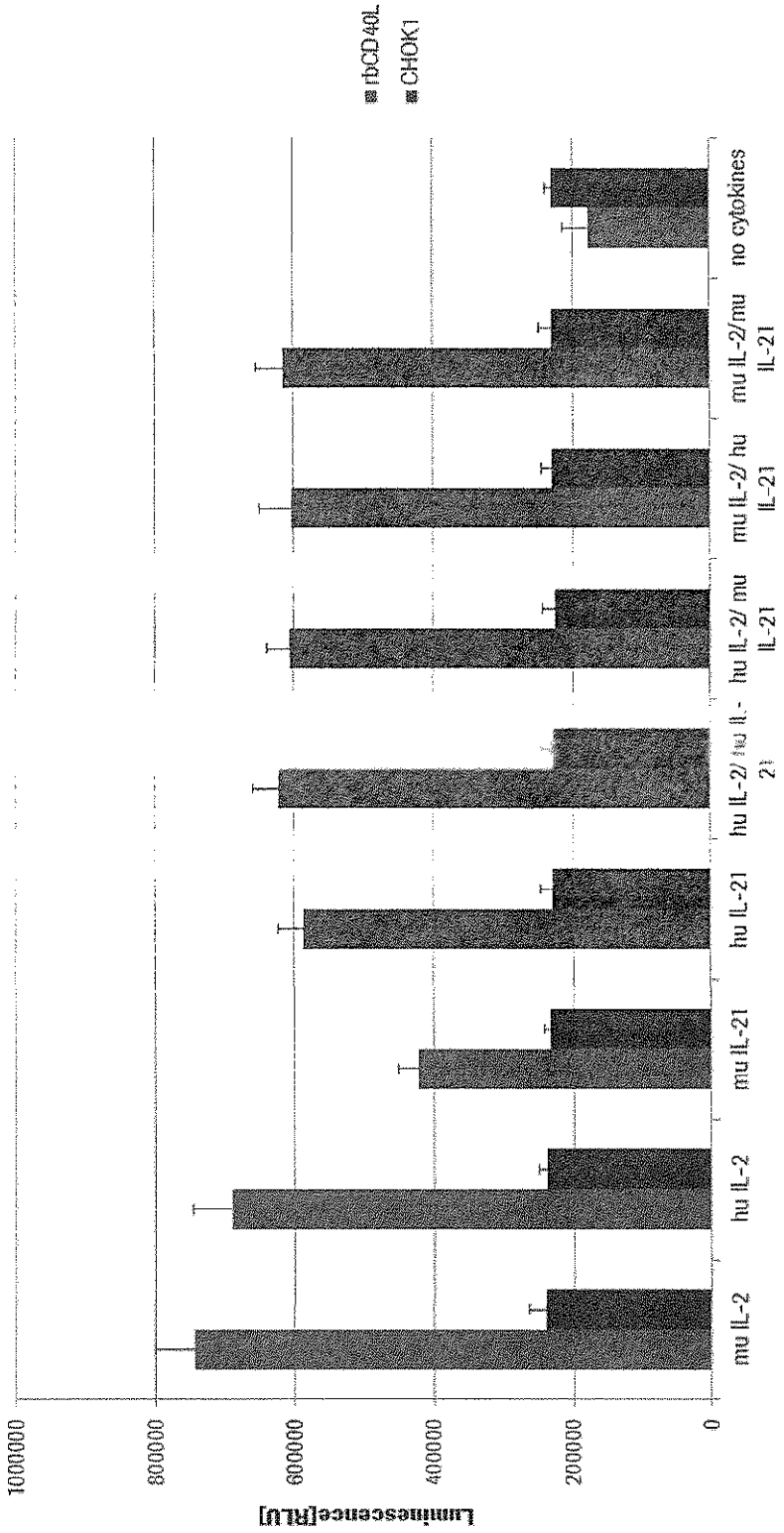

rbCD40L
CHOK1
Luminescence[RLU]
1000000
800000
600000
400000
200000
0
mu IL-2
hu IL-2
mu IL-21
hu IL-21
hu IL-2/ hu IL-21
hu IL-2/ mu IL-21
mu IL-2/ hu IL-21
mu IL-2/mu IL-21
no cytokines

Figure 9

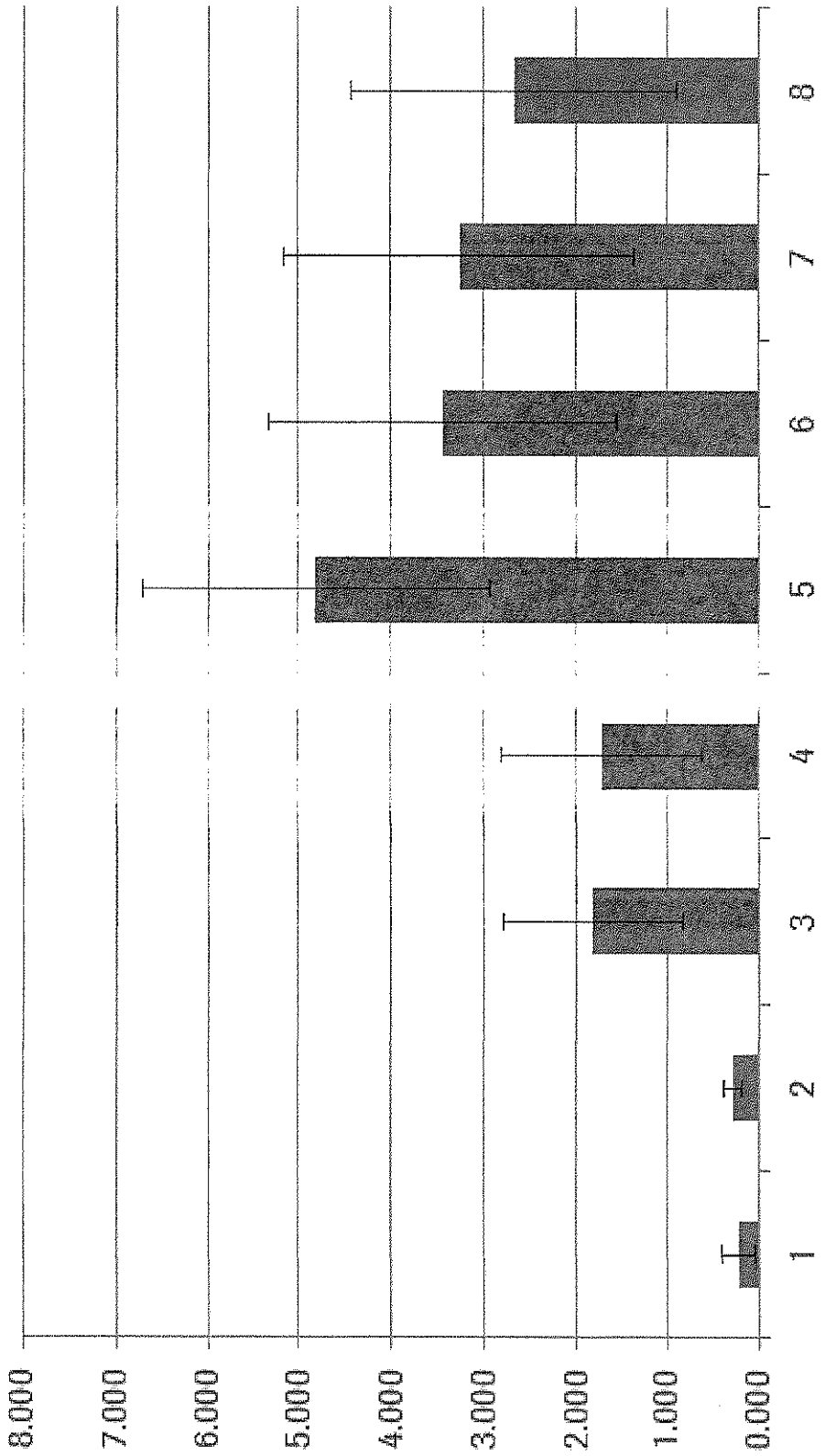


Figure 10

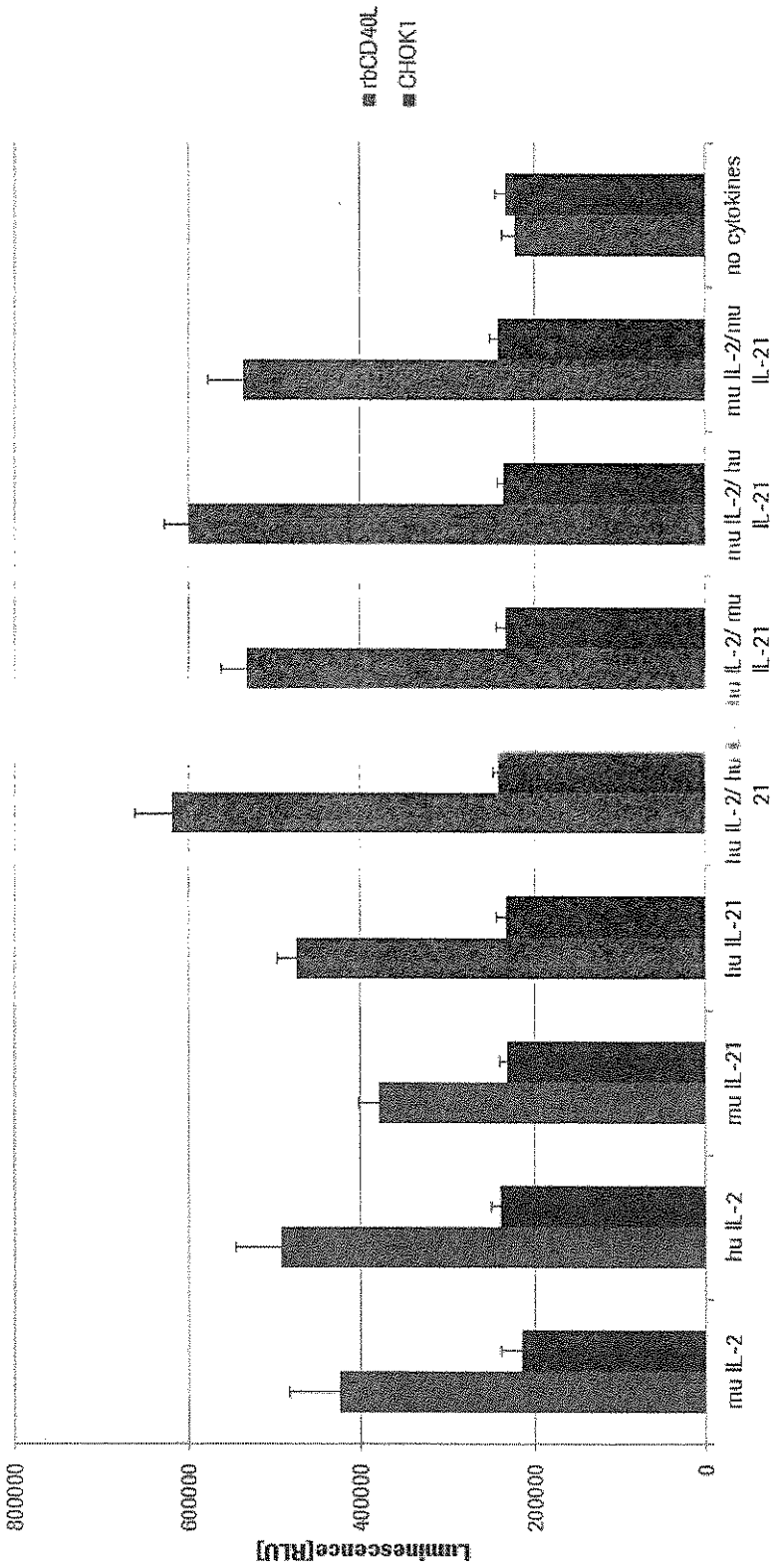

rbCD40L
CHOK1
Luminescence[RLU]
800000
600000
400000
200000
0
mu IL-2
hu IL-2
mu IL-21
hu IL-21
hu IL-2/ hu IL-21
mu IL-2/ mu IL-21
mu IL-2/ hu IL-21
mu IL-2/mu IL-21
no cytokines

Figure 11

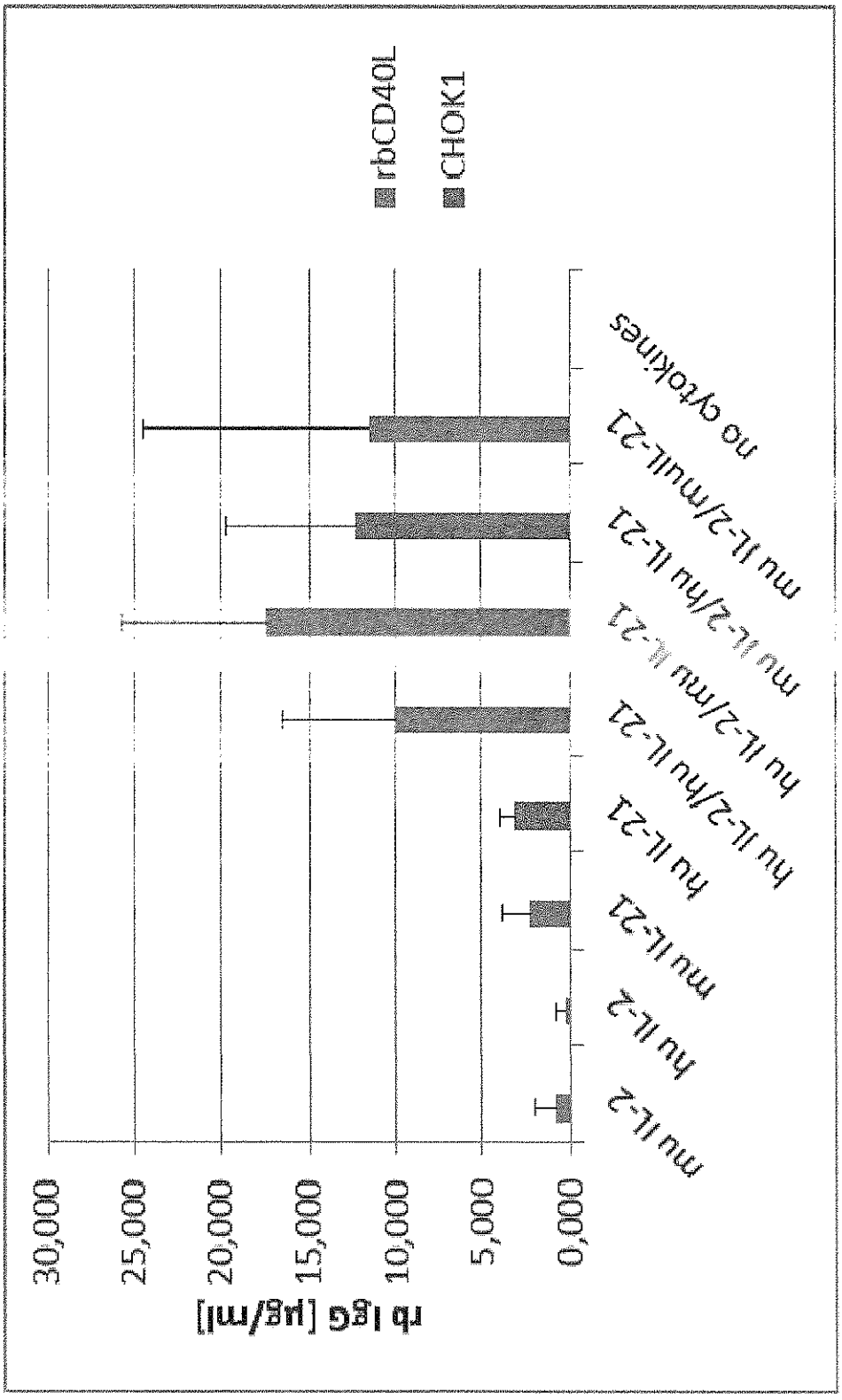

rbCD40L
CHOK1
rb IgG [µg/ml]
30,000
25,000
20,000
15,000
10,000
5,000
0,000
mu IL-2
hu IL-2
mu IL-21
hu IL-21
hu IL-2/hu IL-21
hu IL-2/mu IL-21
mu IL-2/hu IL-21
mu IL-2/mu IL-21
no cytokines

Figure 12

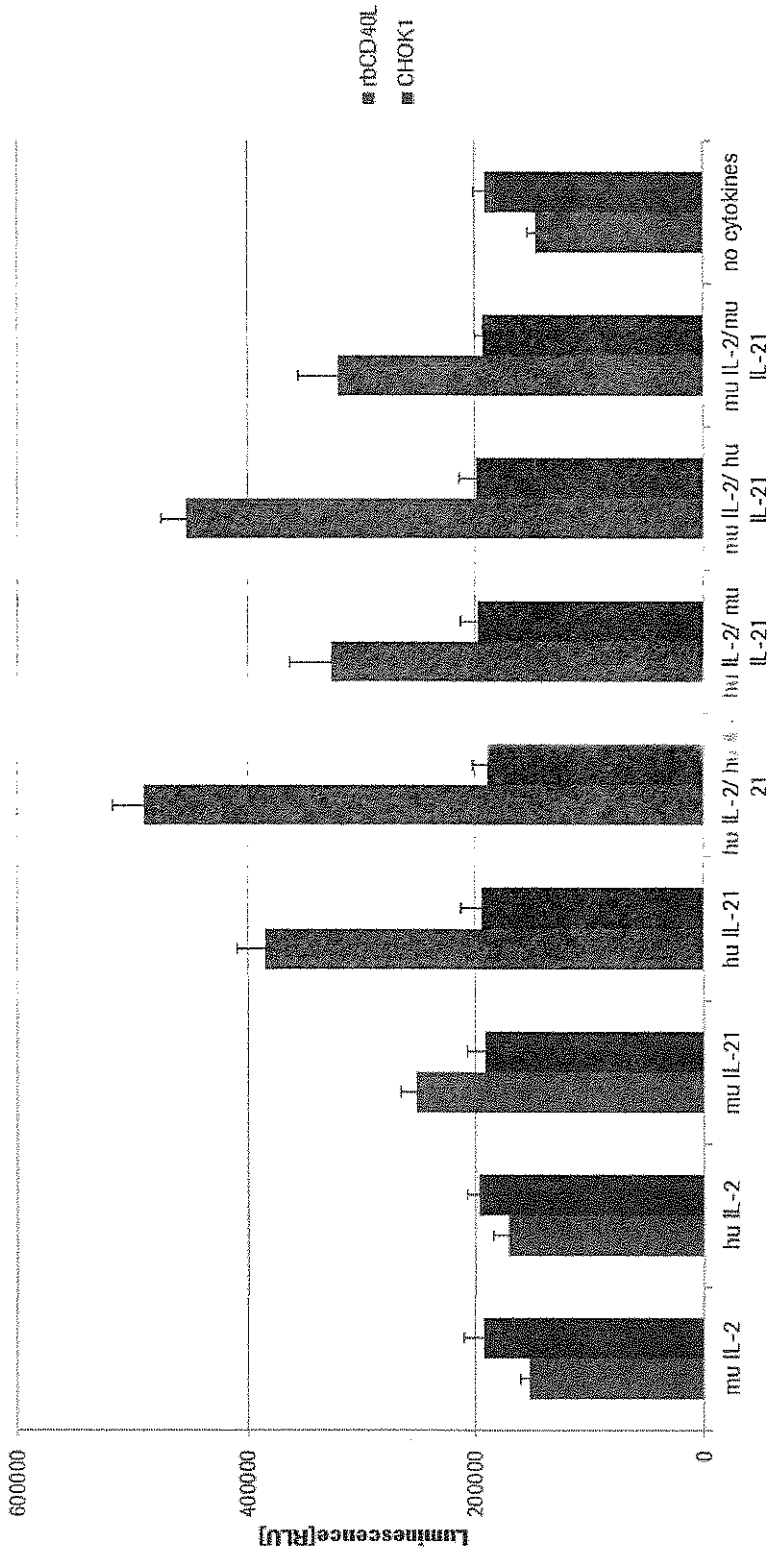

hCD40L
CHOK1
Luminescence[RLU]
600000
400000
200000
0
mu IL-2
hu IL-2
mu IL-21
hu IL-21
hu IL-2/ hu IL-21
hu IL-2/ mu IL-21
mu IL-2/ hu IL-21
mu IL-2/mu IL-21
no cytokines

Figure 13

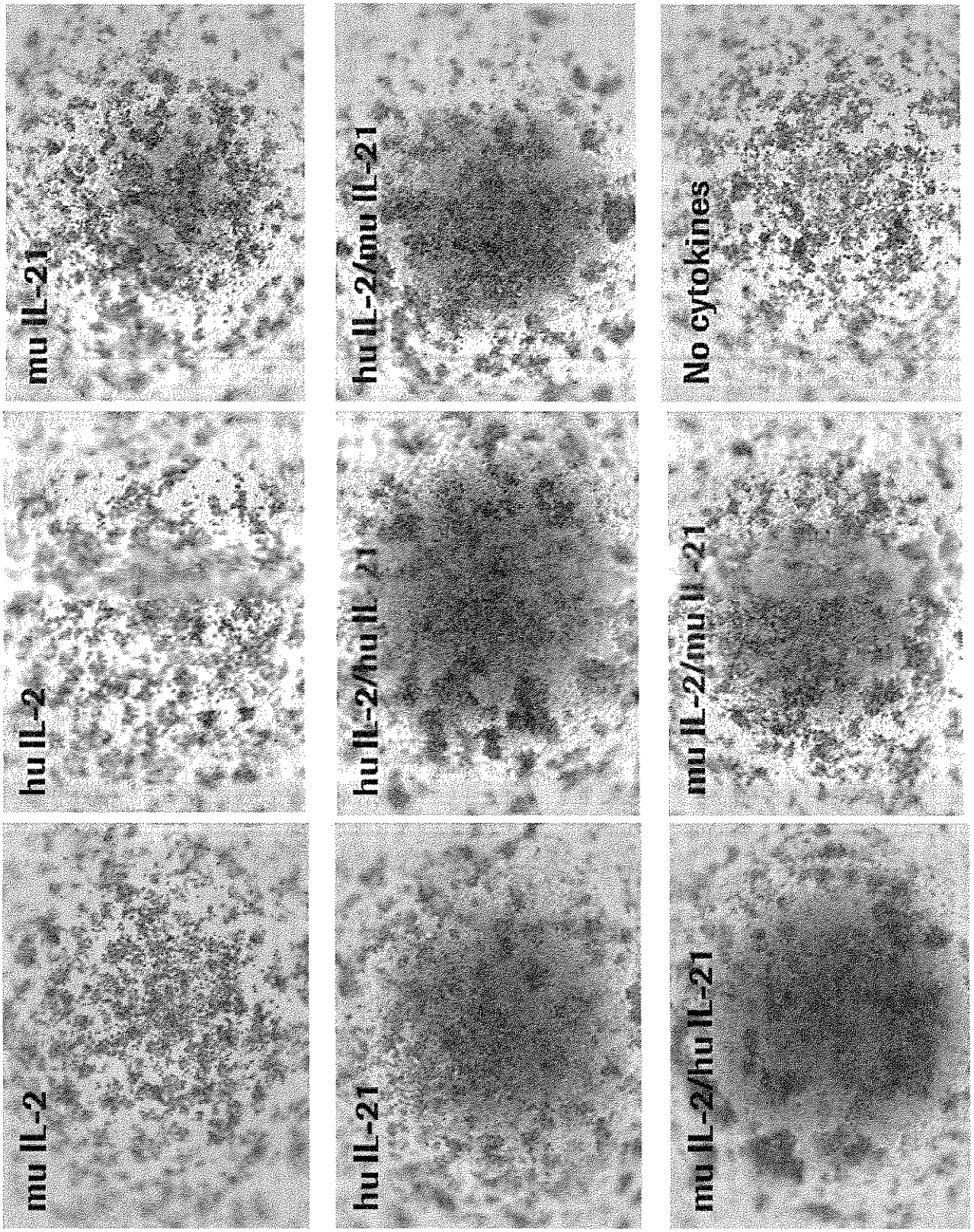
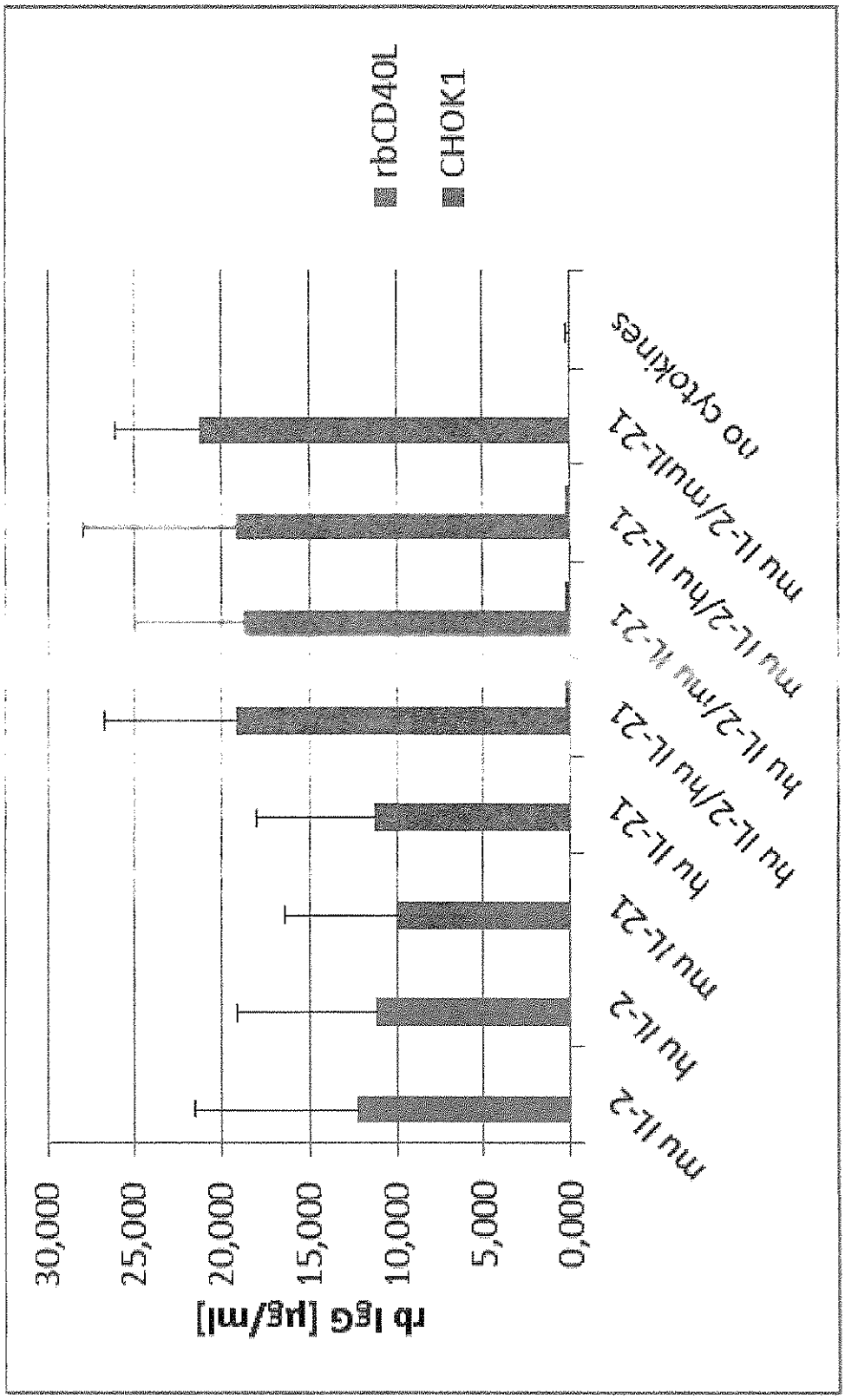

mu IL-21
hu IL-2/mu IL-21
No cytokines
hu IL-2
hu IL-2/hu IL-21
mu IL-2/mu IL-21
mu IL-2
hu IL-21
mu IL-2/hu IL-21

Figure 14


rbCD40L
CHOK1
rb IgG [µg/ml]
30,000
25,000
20,000
15,000
10,000
5,000
0,000
mu IL-2
hu IL-2
mu IL-21
hu IL-21
hu IL-2/hu IL-21
mu IL-2/hu IL-21
hu IL-2/mu IL-21
mu IL-2/mu IL-21
no cytokines