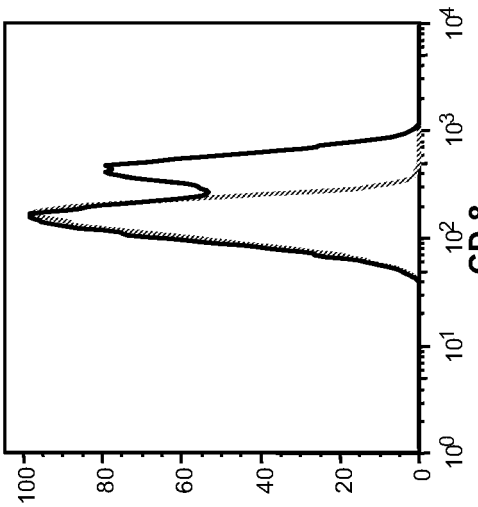


Figure 1a

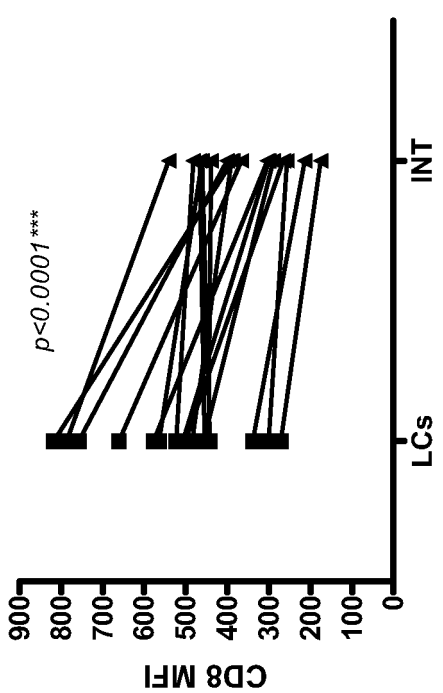


Figure 1b

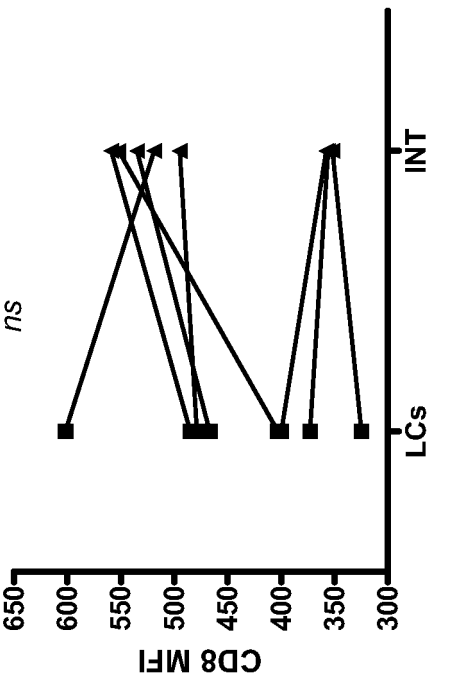


Figure 1c

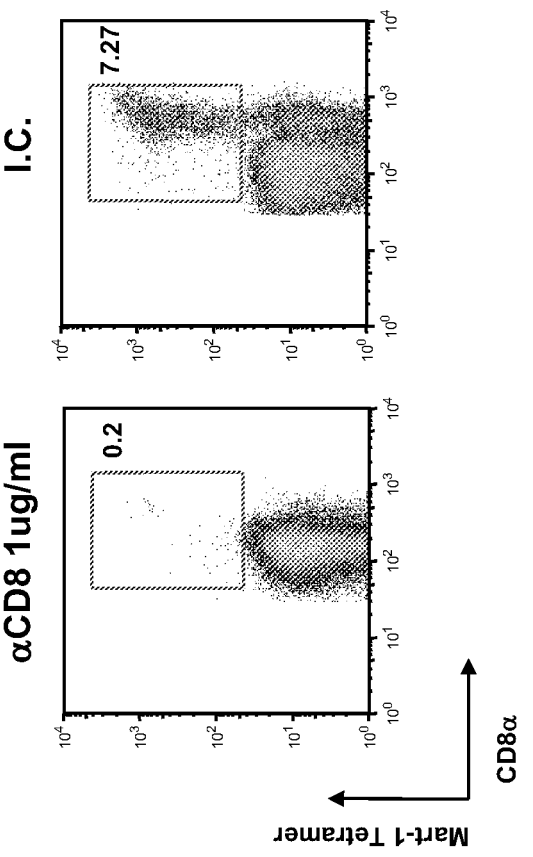


Figure 2a

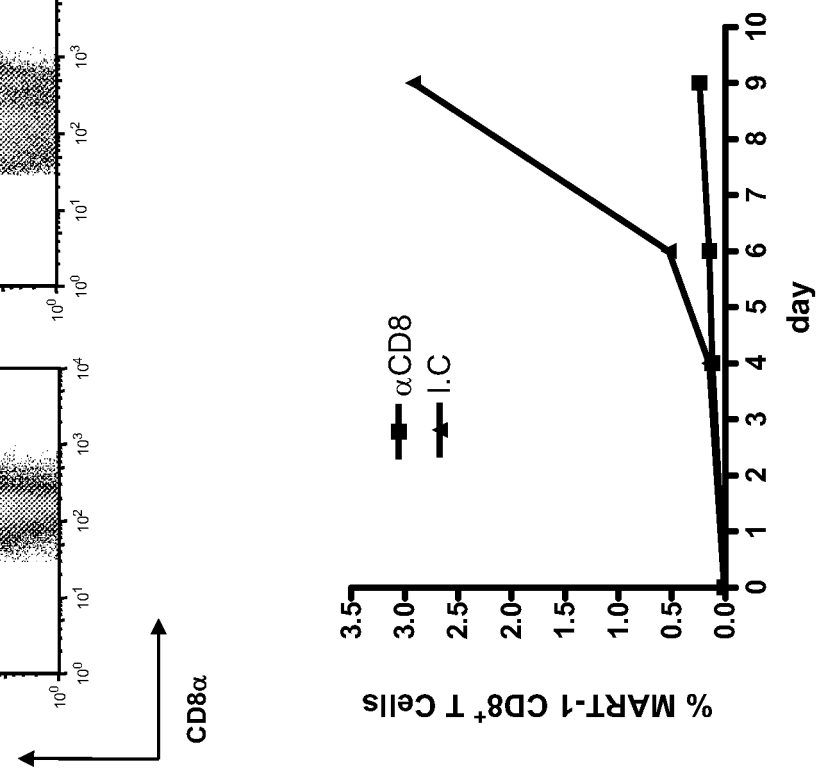


Figure 2b

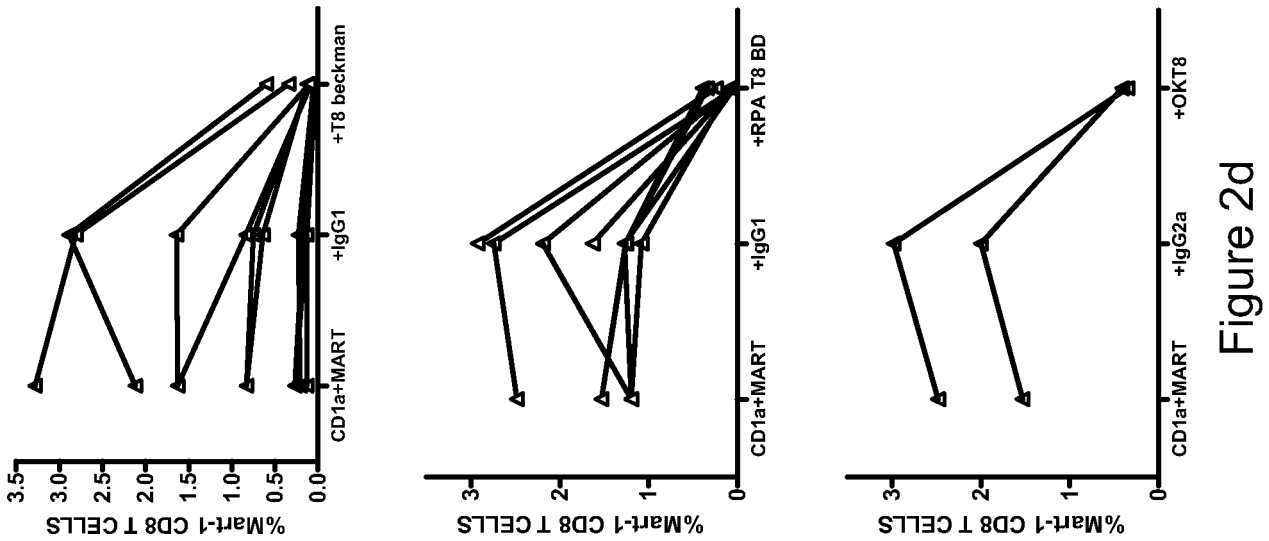


Figure 2d

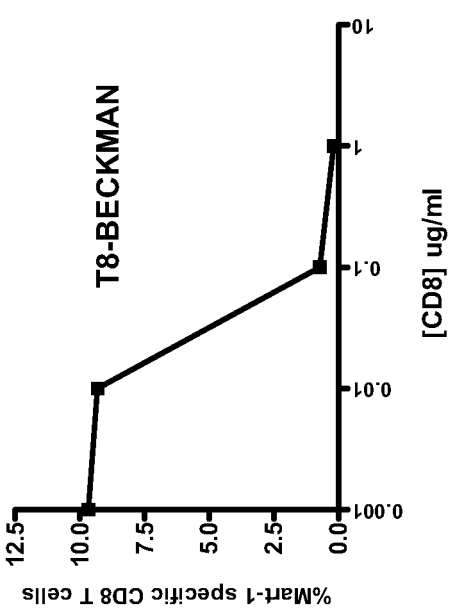


Figure 2c

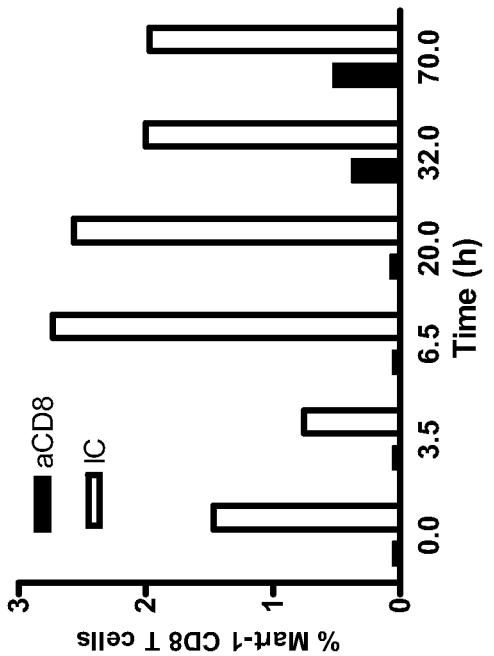


Figure 2e

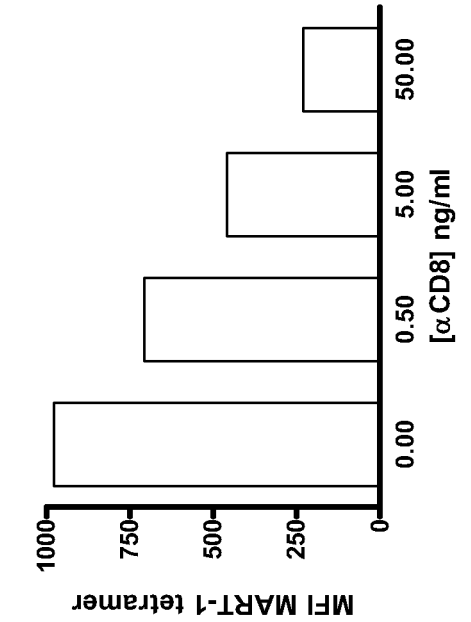


Figure 2g

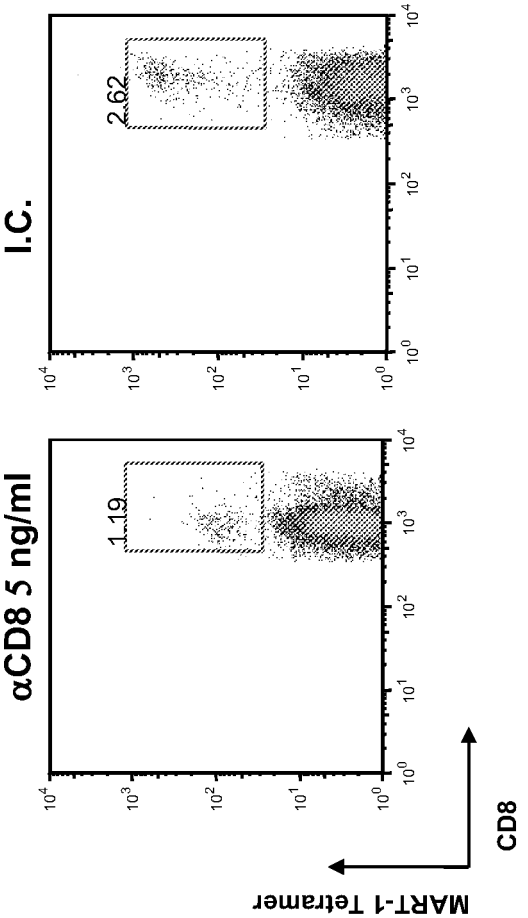


Figure 2f

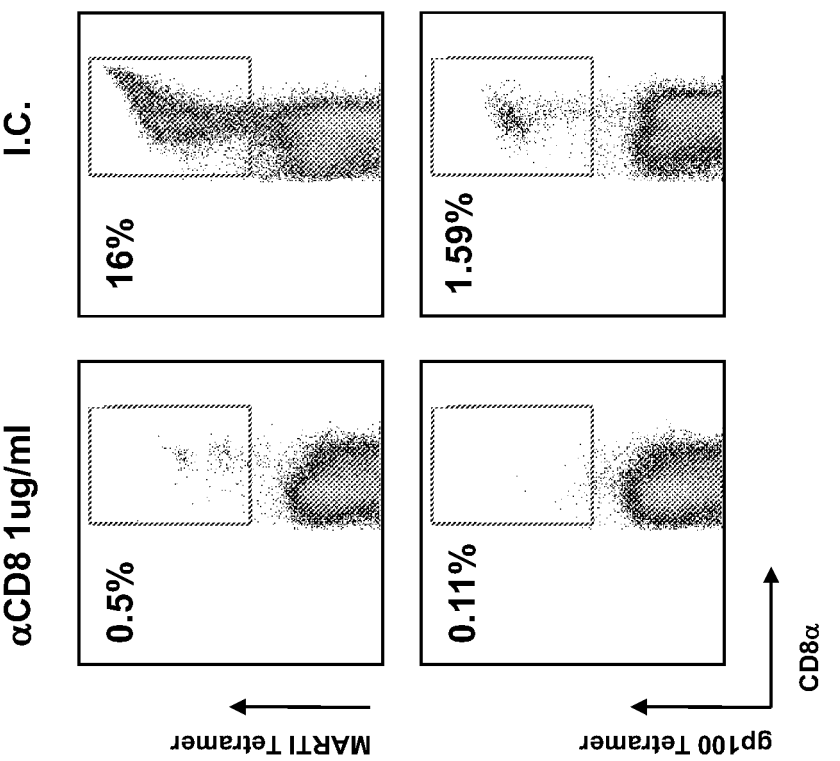

αCD8 1ug/ml
I.C.
0.5%
16%
0.11%
1.59%
MART1 Tetramer
gp100 Tetramer
CD8α

Figure 2h

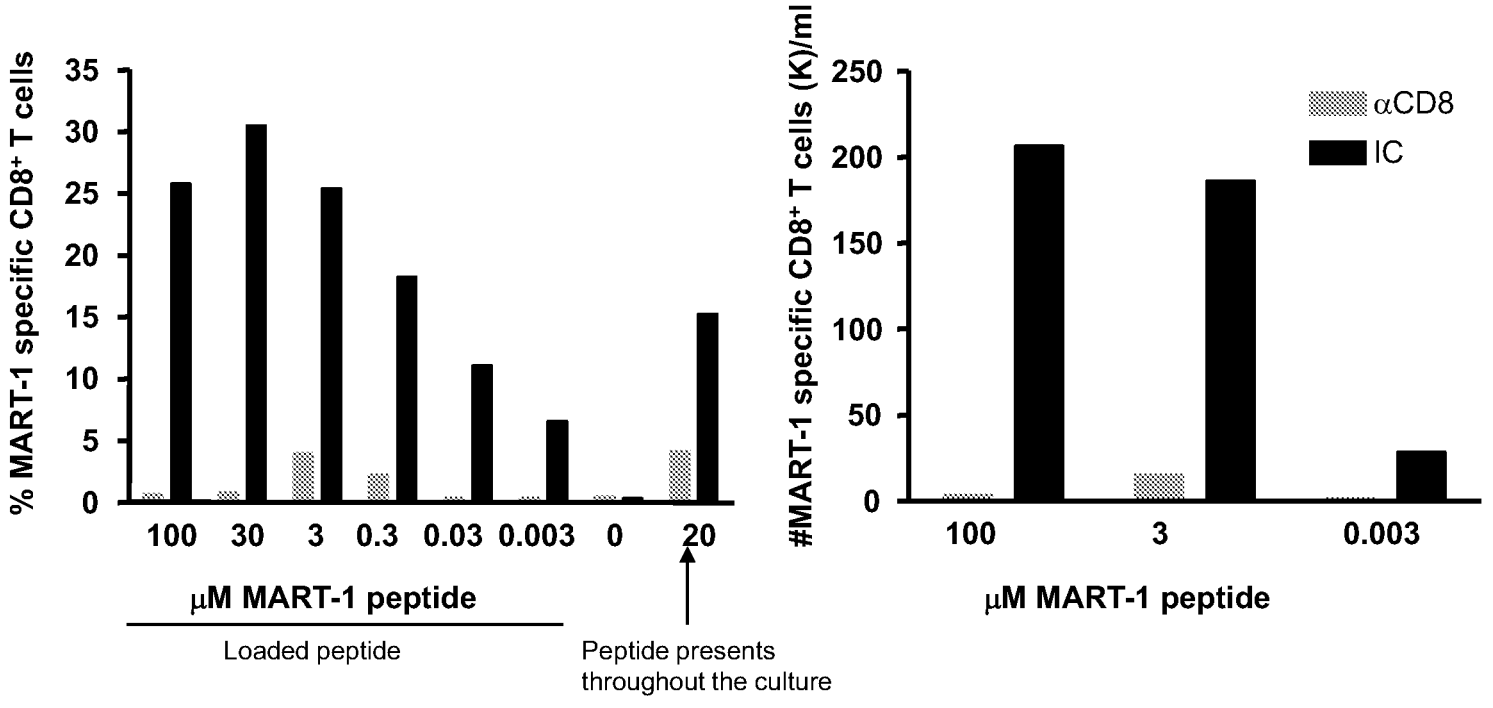

% MART-1 specific CD8+ T cells
35
30
25
20
15
10
5
0
100
30
3
0.3
0.03
0.003
0
20
μM MART-1 peptide
Loaded peptide
Peptide presents throughout the culture
#MART-1 specific CD8+ T cells (K)/ml
250
200
150
100
50
0
αCD8
IC
100
3
0.003
μM MART-1 peptide

Figure 2i

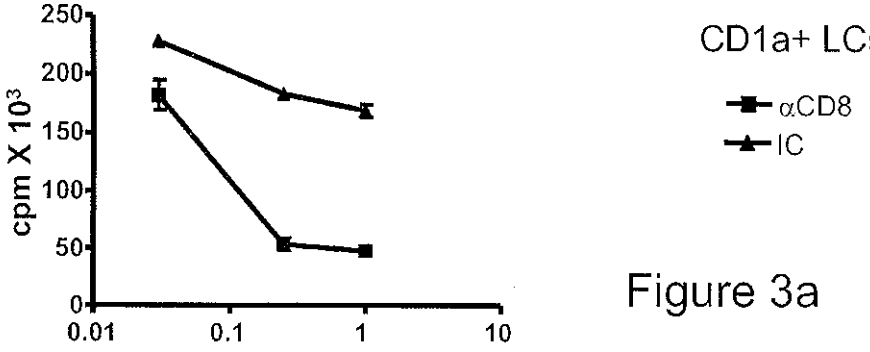


Figure 3a

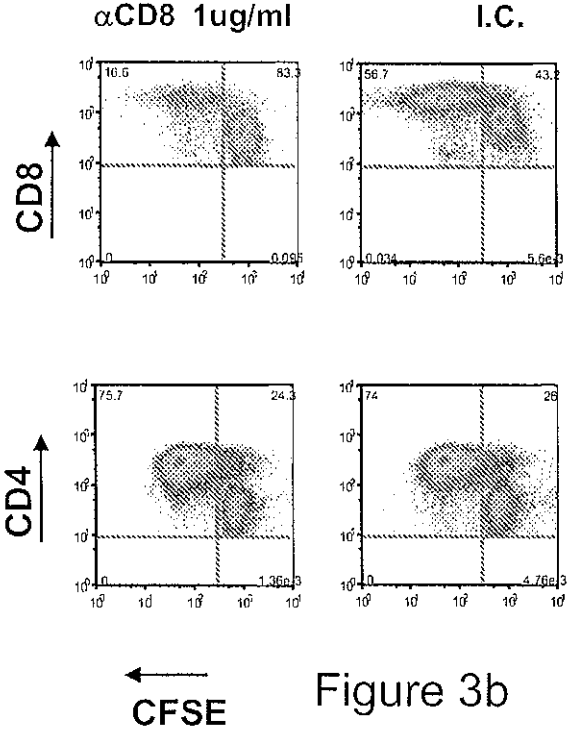


Figure 3b

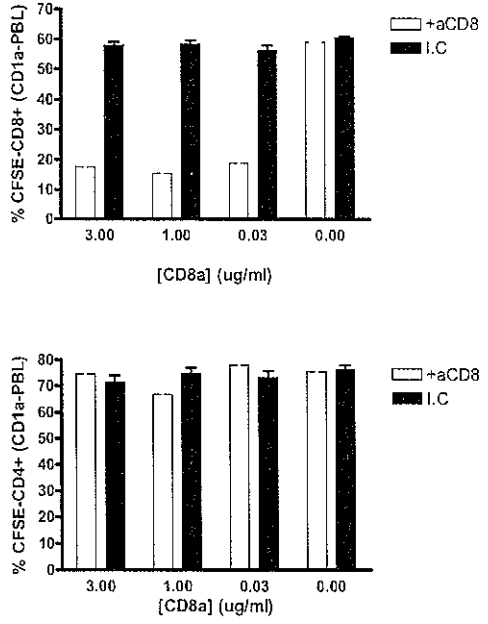


Figure 3c

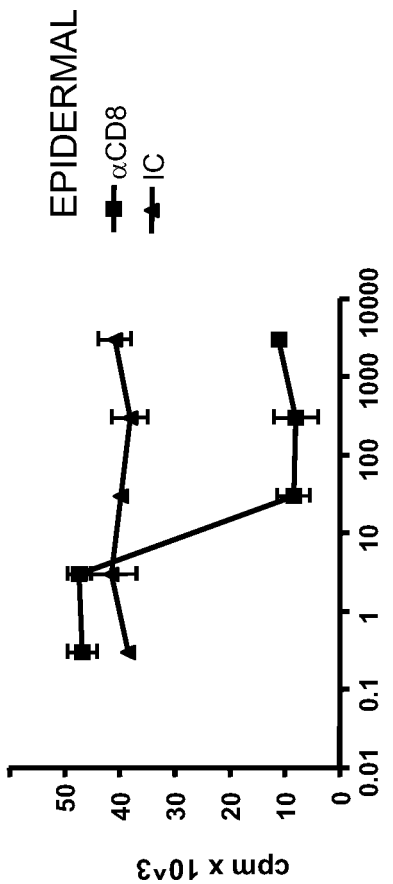


Figure 3d

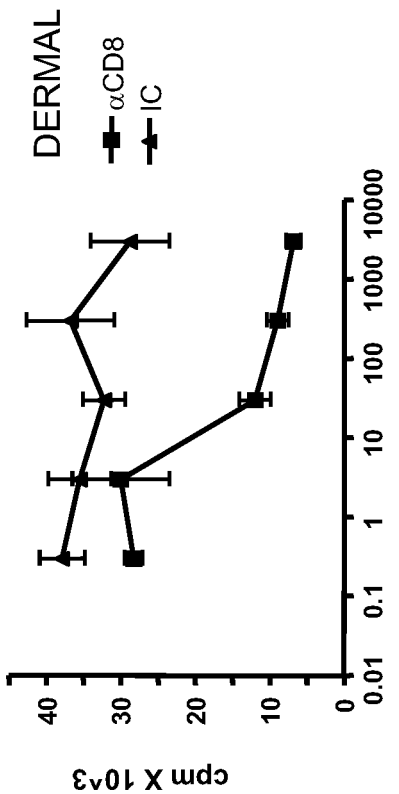


Figure 3e

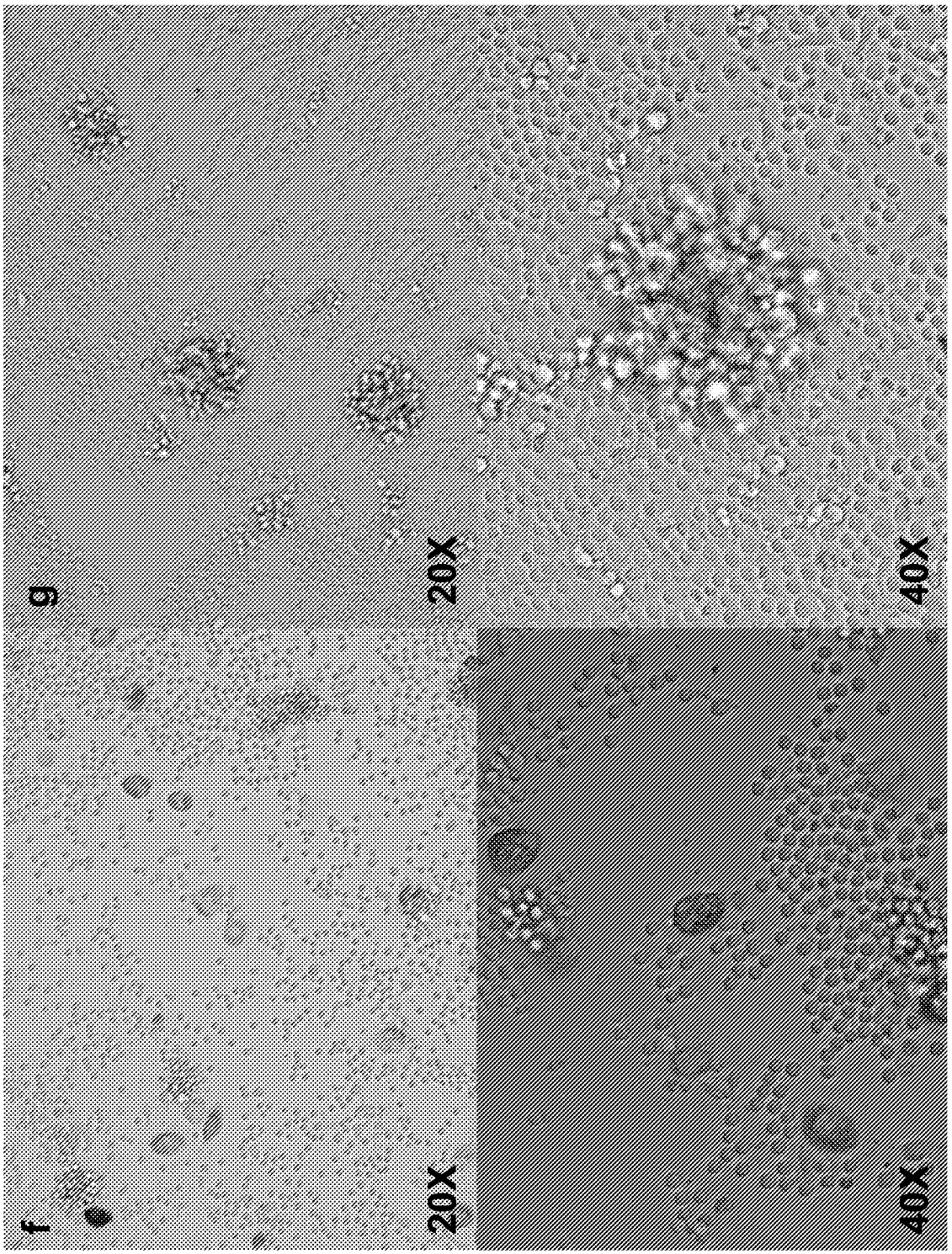


Figure 3

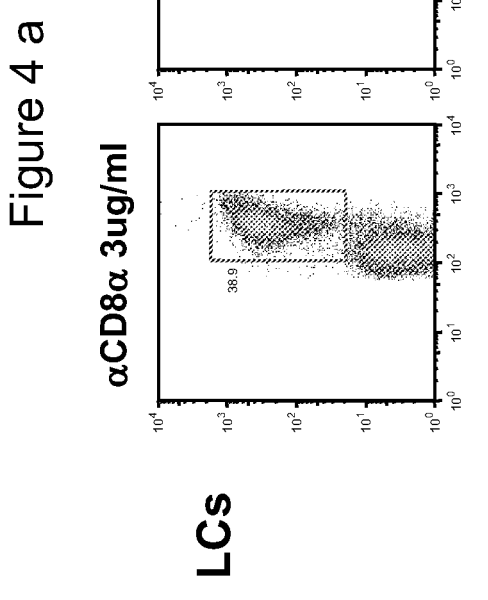


Figure 4 a

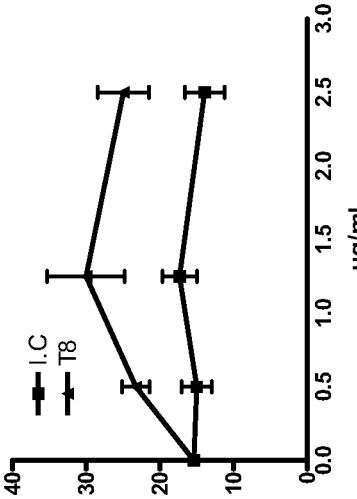


Figure 4b

Figure 4c

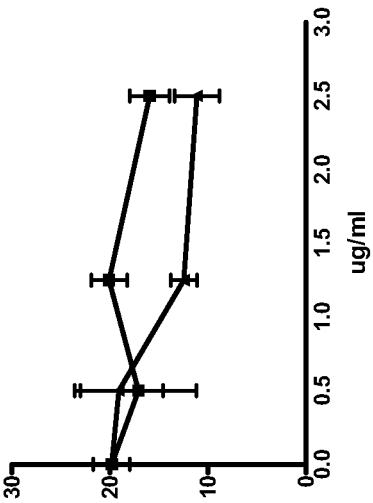


Figure 4d

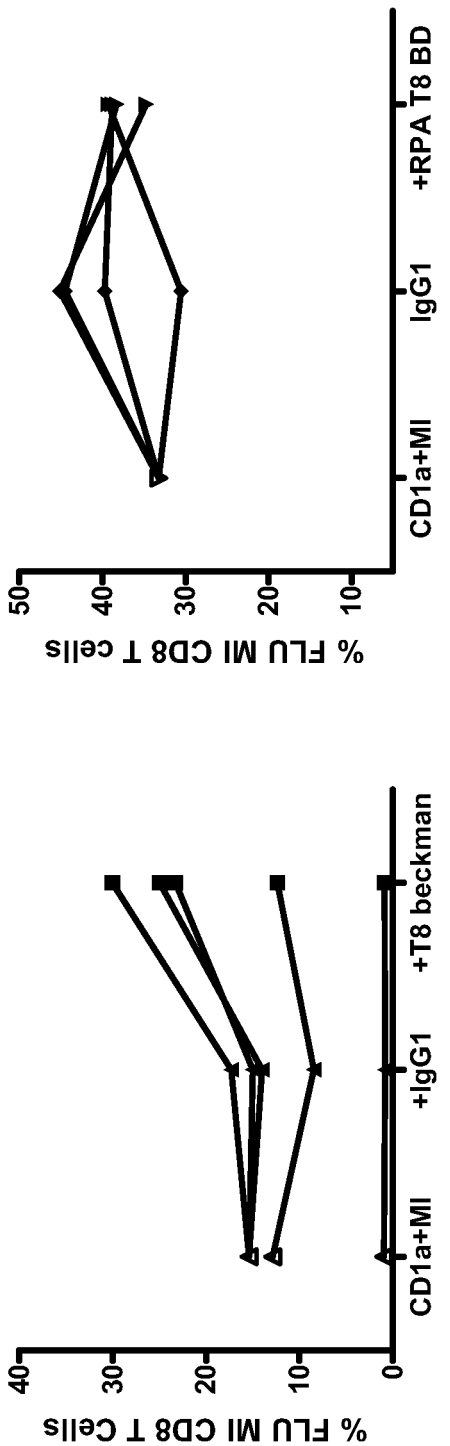

% FLU MI CD8 T cells
0
10
20
30
40
CD1a+MI
+IgG1
+T8 beckman
% FLU MI CD8 T cells
10
20
30
40
50
CD1a+MI
IgG1
+RPA T8 BD

Figure 4e

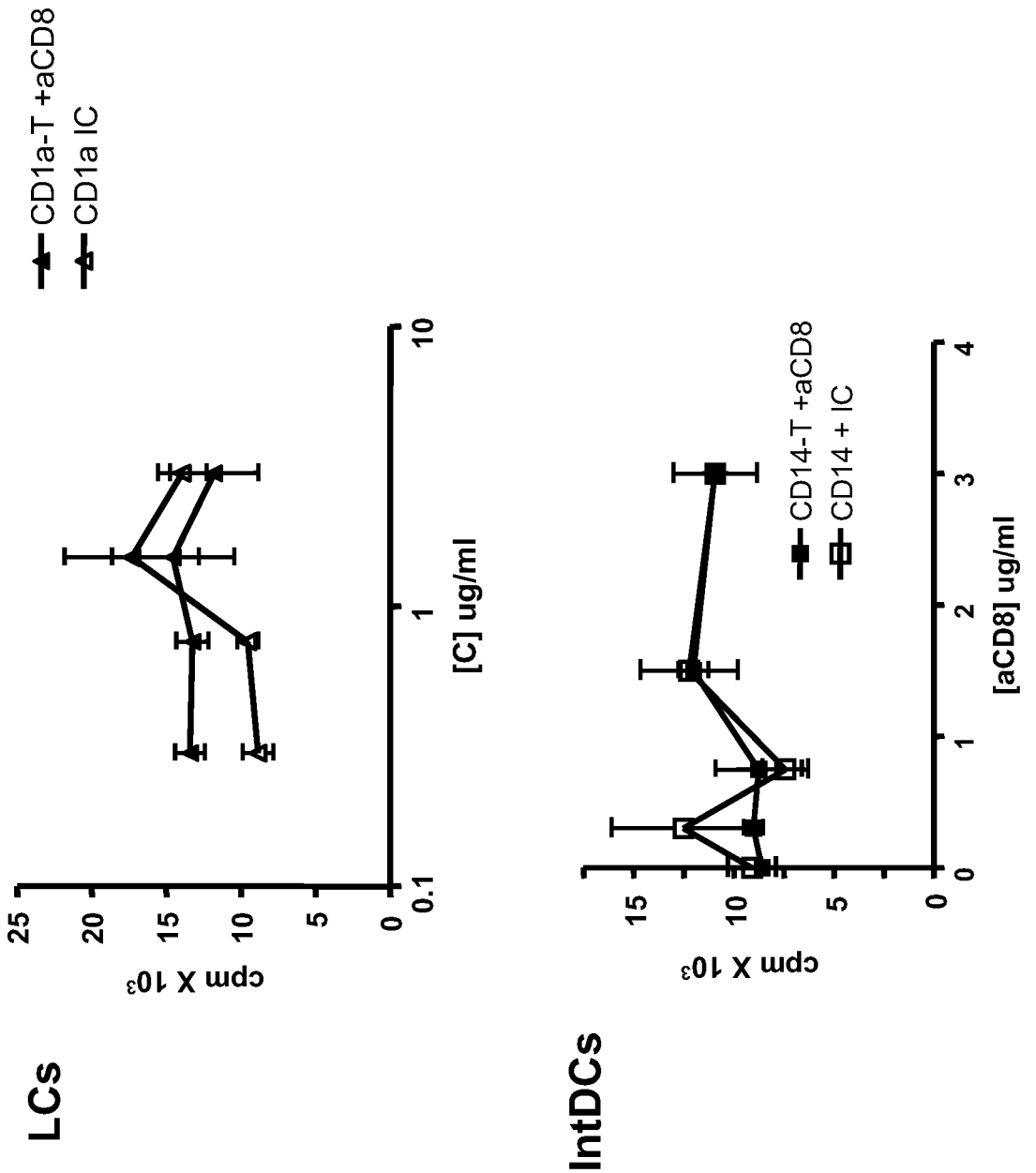

LCs
CD1a-T +aCD8
CD1a IC
cpm X 10³
25
20
15
10
5
0
0.1
1
10
[C] ug/ml
IntDCs
CD14-T +aCD8
CD14 + IC
cpm X 10³
15
10
5
0
0
1
2
3
4
[aCD8] ug/ml

Figure 4f

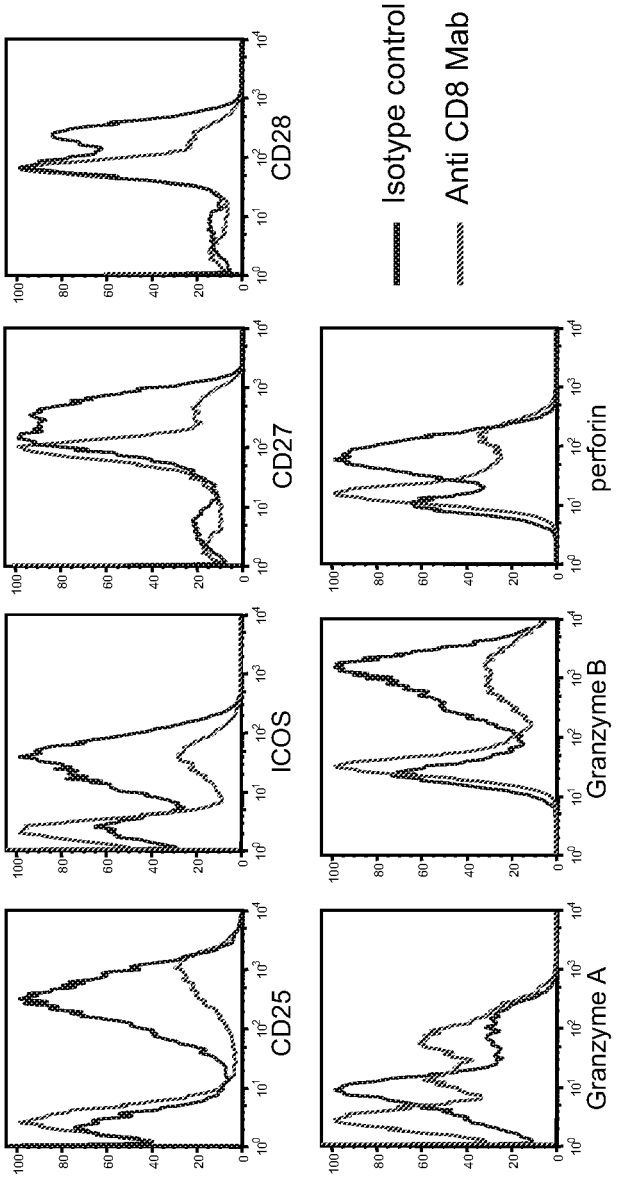

CD25
ICOS
CD27
CD28
Granzyme A
Granzyme B
perforin
Isotype control
Anti CD8 Mab

Figure 5a

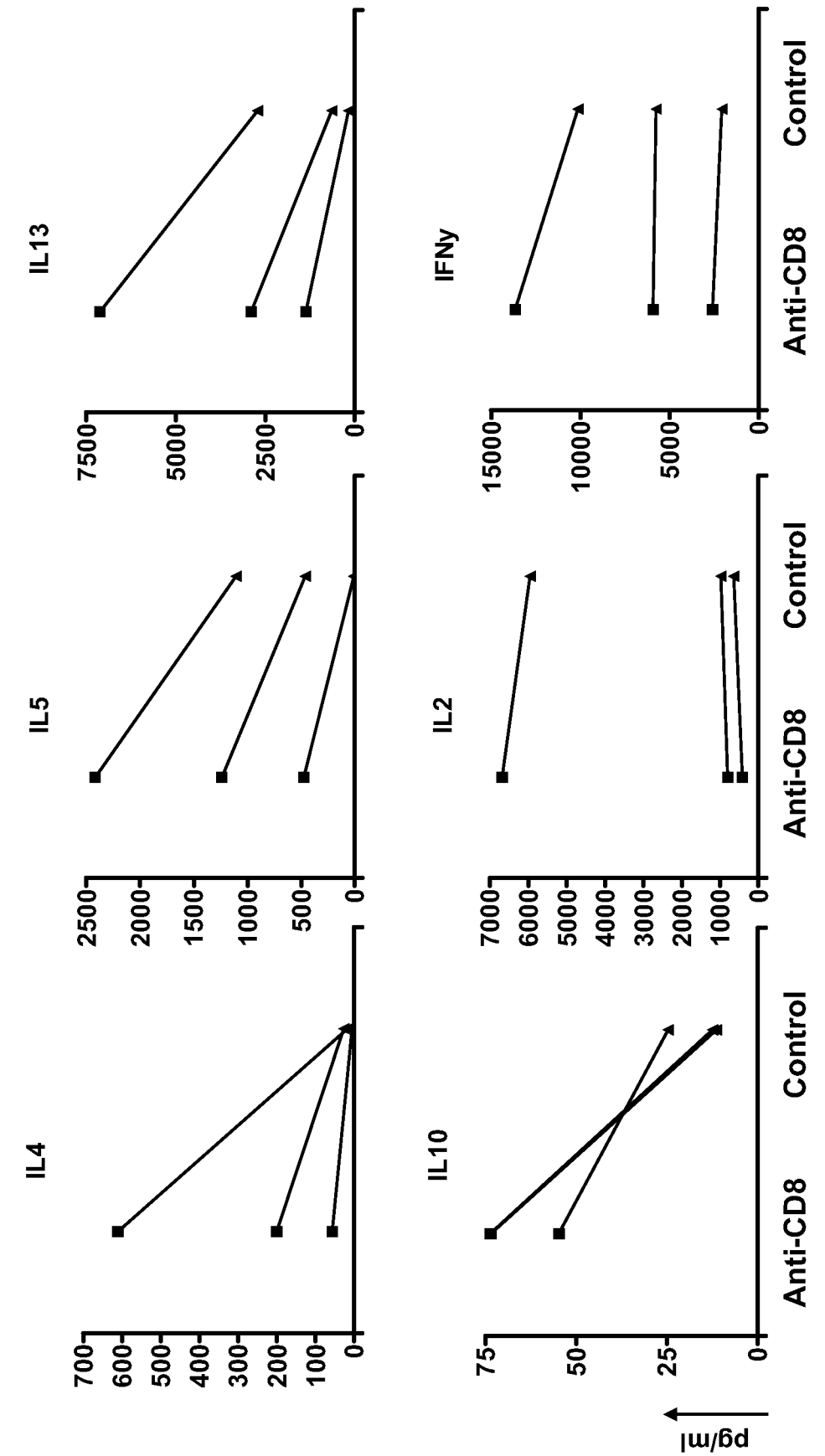

IL4
IL5
IL13
IL10
IL2
IFNy
pg/ml
Anti-CD8
Control
0
100
200
300
400
500
600
700
500
1000
1500
2000
2500
2500
5000
7500
25
50
75
1000
2000
3000
4000
5000
6000
7000
5000
10000
15000

Figure 5b

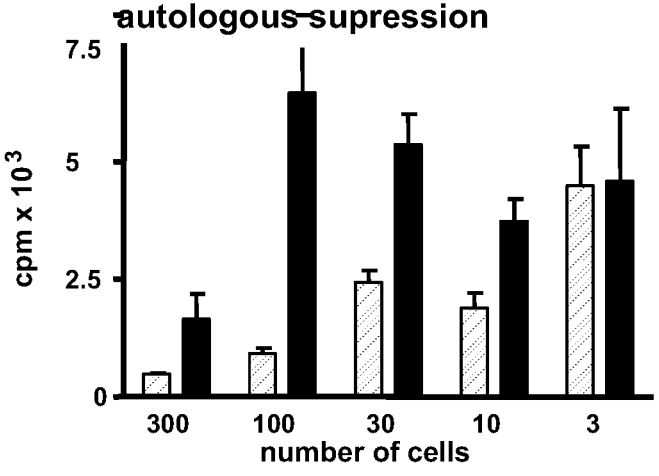


Figure 6a

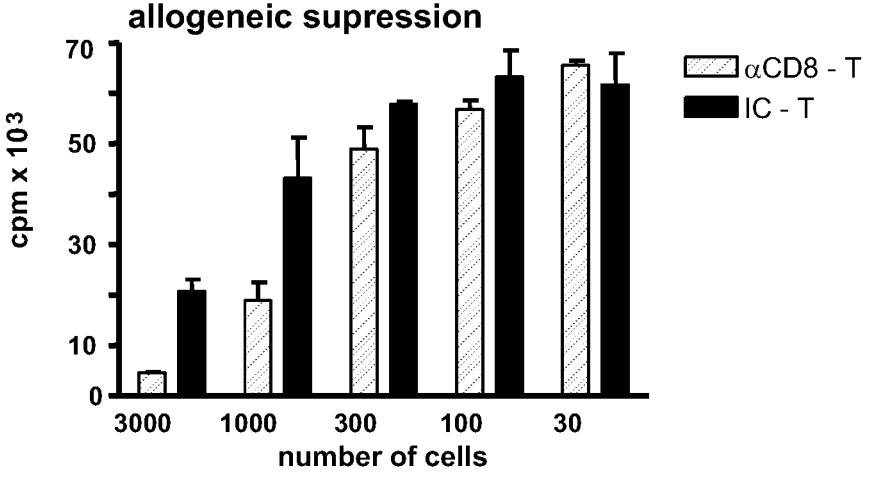


Figure 6b

In-vivo

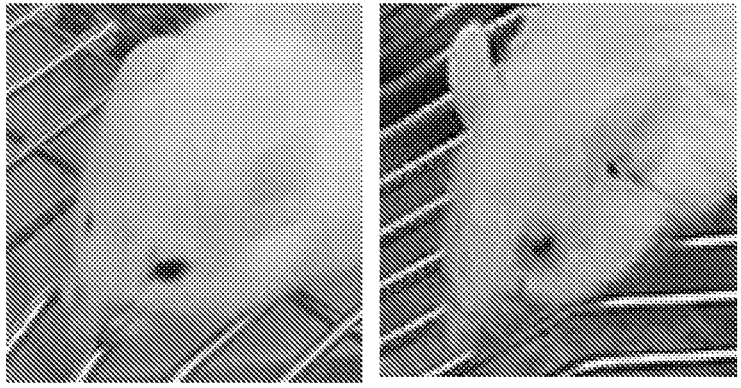


Figure 7a

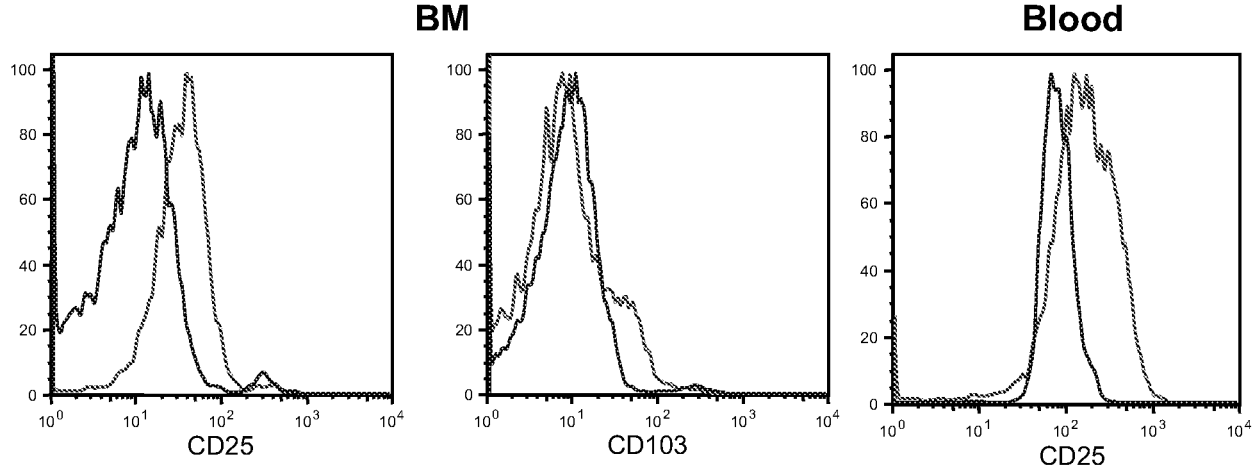


Figure 7b