Figure 1

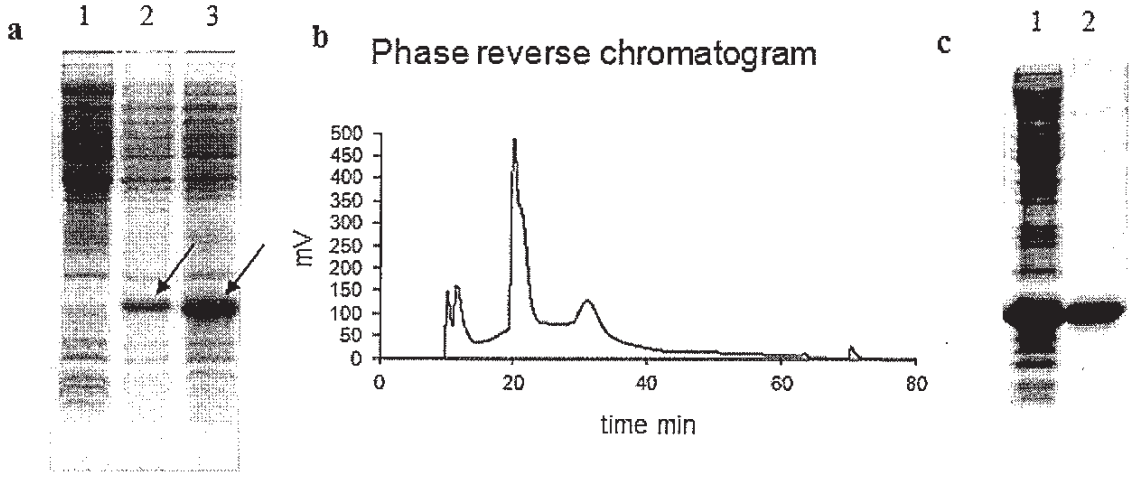
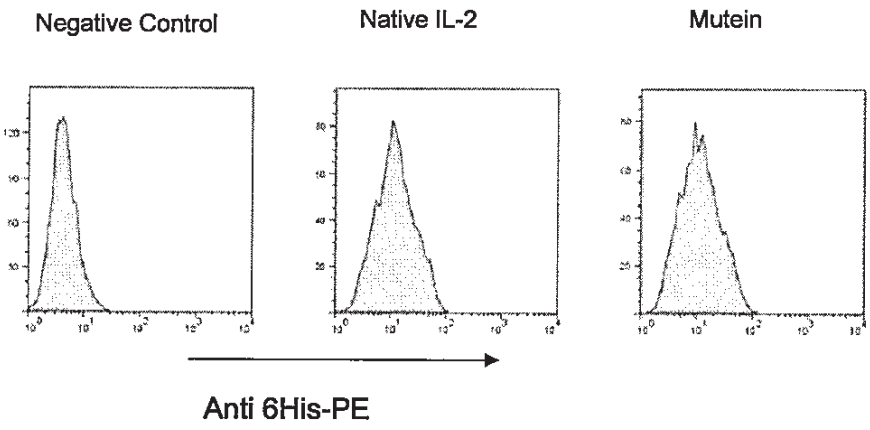

a
1
2
3
b
Phase reverse chromatogram
500
450
400
350
300
250
200
150
100
50
0
mV
0
20
40
60
80
time min
c
1
2

Figure 2

a


Negative Control
Native IL-2
Mutein
Anti 6His-PE

b

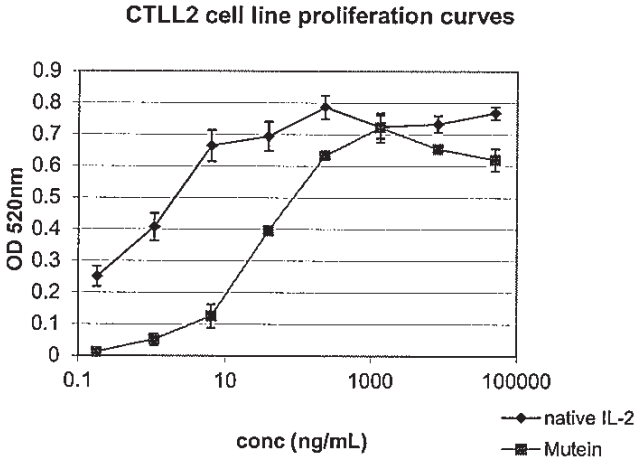
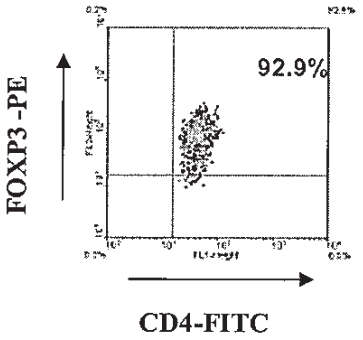

CTLL2 cell line proliferation curves
OD 520nm
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.1
10
1000
100000
conc (ng/mL)
native IL-2
Mutein

Figure 3

A


92.9%
FOXP3 -PE
CD4-FITC

B

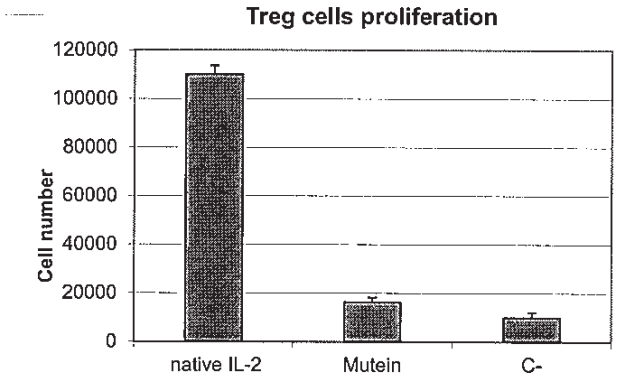

Treg cells proliferation
120000
100000
80000
60000
40000
20000
0
Cell number
native IL-2
Mutein
C-

Figure 4

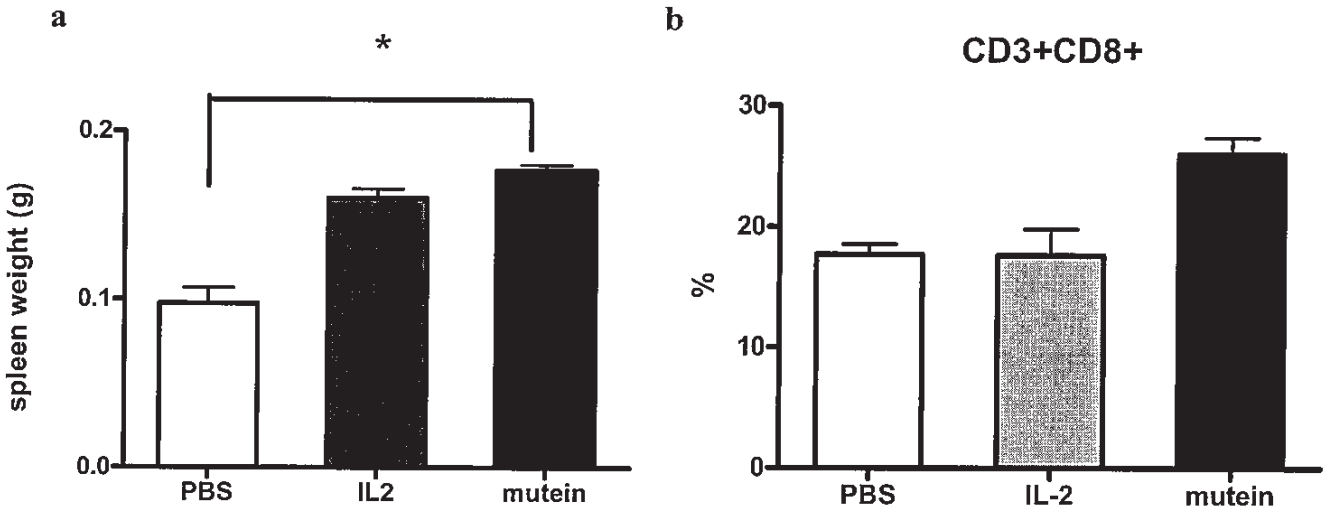
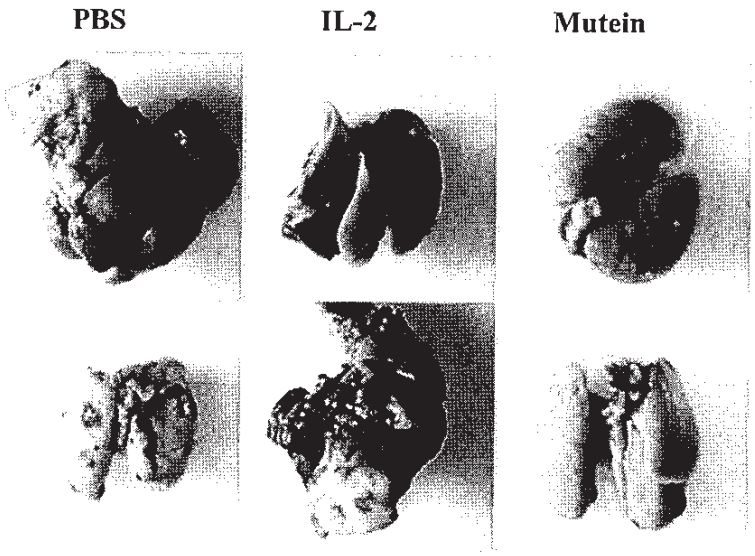

a
*
spleen weight (g)
0.2
0.1
0.0
PBS
IL2
mutein
b
CD3+CD8+
%
30
20
10
0
PBS
IL-2
mutein

Figure 5

a



b

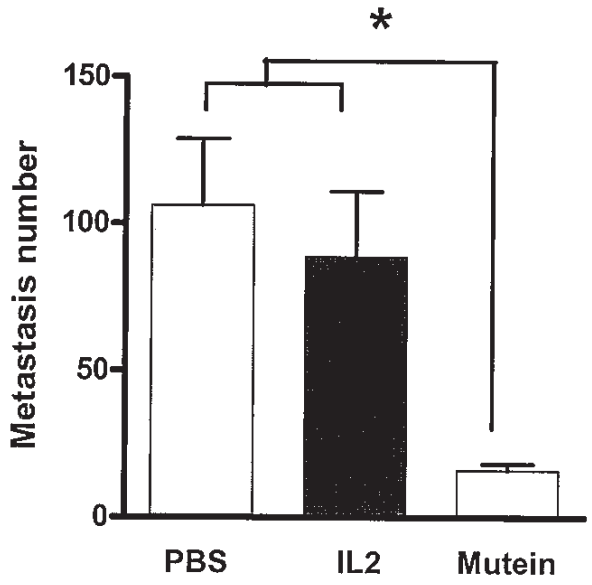
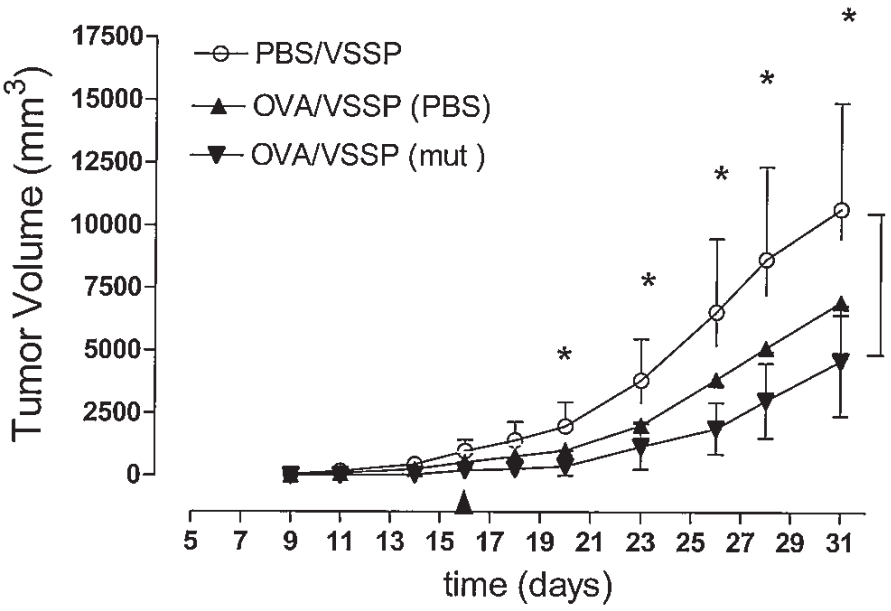


Figure 6


17500
15000
12500
10000
7500
5000
2500
0
Tumor Volume (mm3)
PBS/VSSP
OVA/VSSP (PBS)
OVA/VSSP (mut)
*
*
*
*
5 7 9 11 13 15 17 19 21 23 25 27 29 31
time (days)