Figure 1

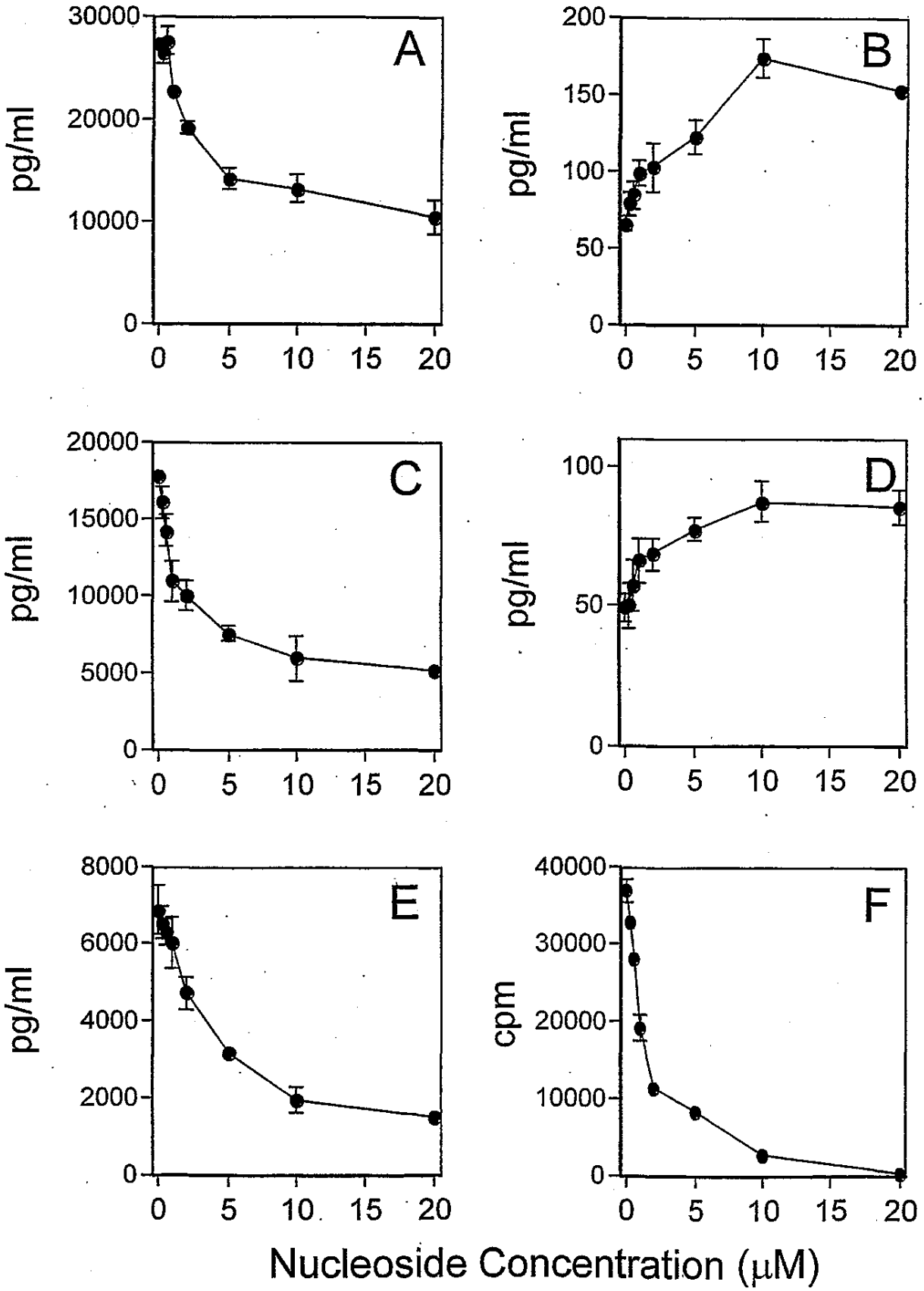

A
B
C
D
E
F
pg/ml
pg/ml
pg/ml
pg/ml
pg/ml
cpm
30000
20000
10000
0
200
150
100
50
0
20000
15000
10000
5000
0
100
50
0
8000
6000
4000
2000
0
40000
30000
20000
10000
0
0 5 10 15 20
Nucleoside Concentration (μM)

Figure 2

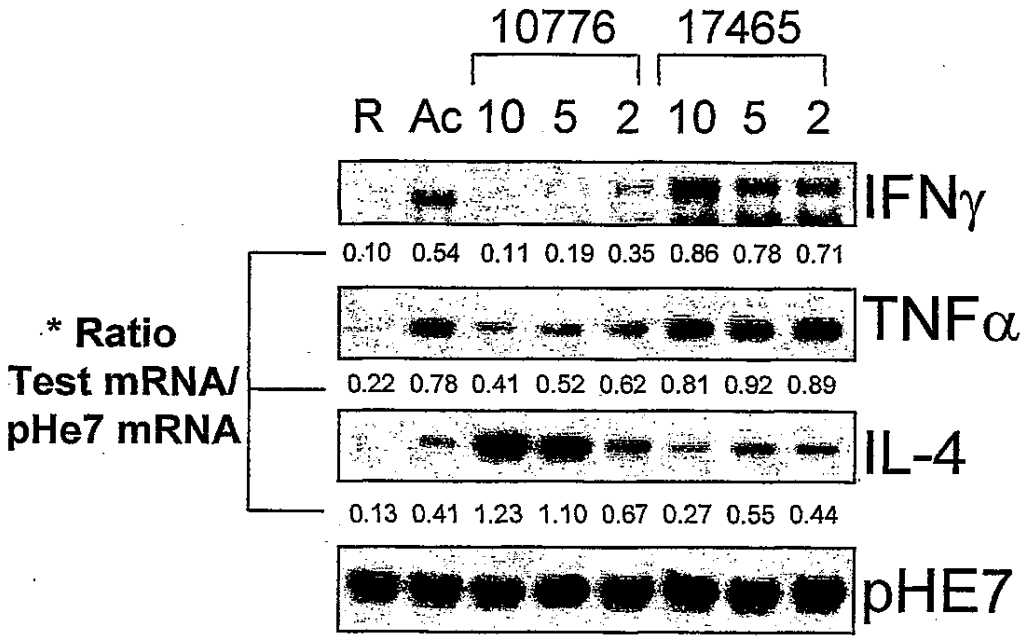

10776
17465
R Ac 10 5 2 10 5 2
IFNγ
0.10 0.54 0.11 0.19 0.35 0.86 0.78 0.71
TNFα
0.22 0.78 0.41 0.52 0.62 0.81 0.92 0.89
IL-4
0.13 0.41 1.23 1.10 0.67 0.27 0.55 0.44
pHE7
* Ratio
Test mRNA/
pHe7 mRNA

Figure 3

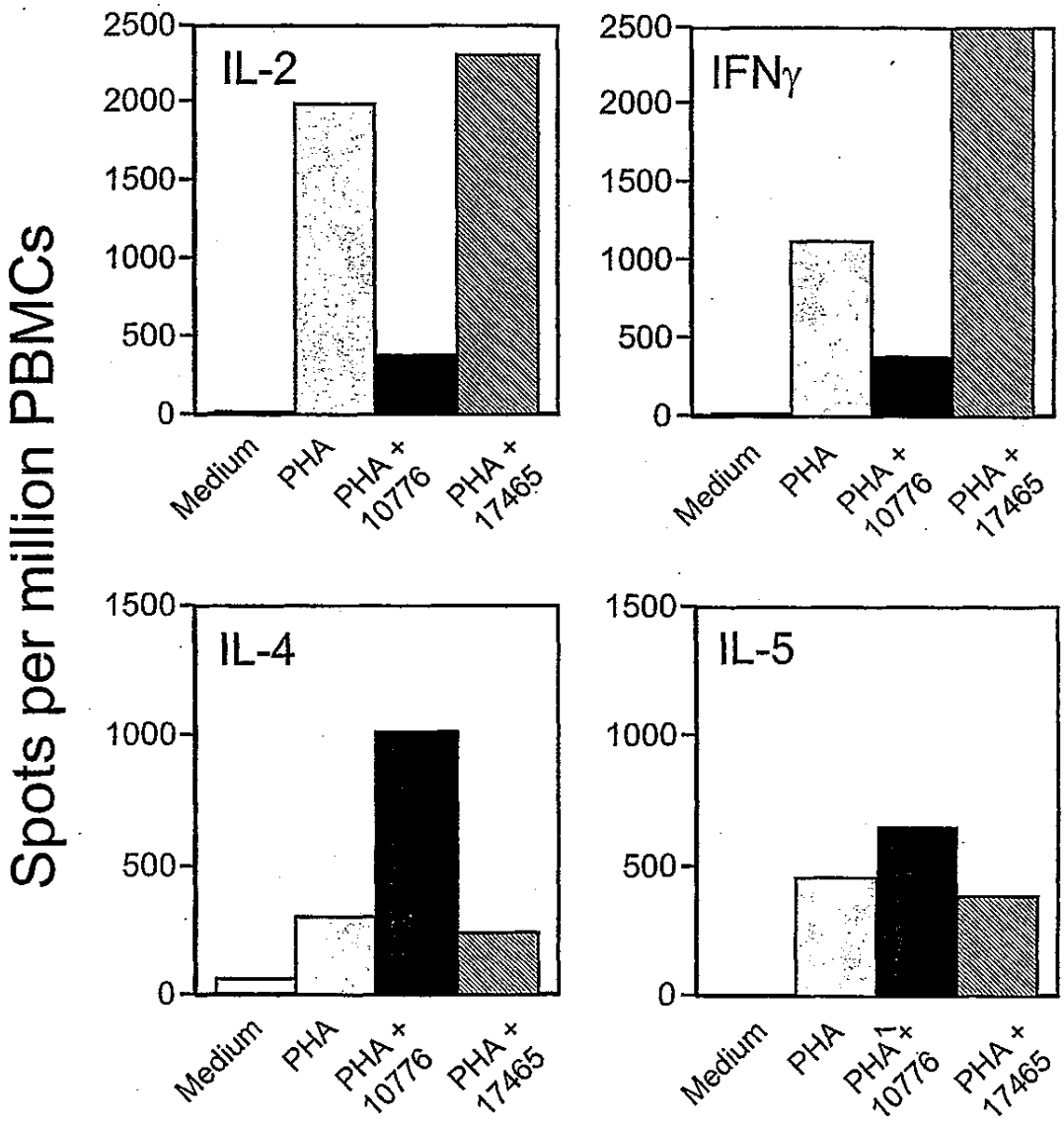

Spots per million PBMCs
IL-2
IFNγ
IL-4
IL-5
2500
2000
1500
1000
500
0
Medium
PHA
PHA + 10776
PHA + 17465

Figure 4

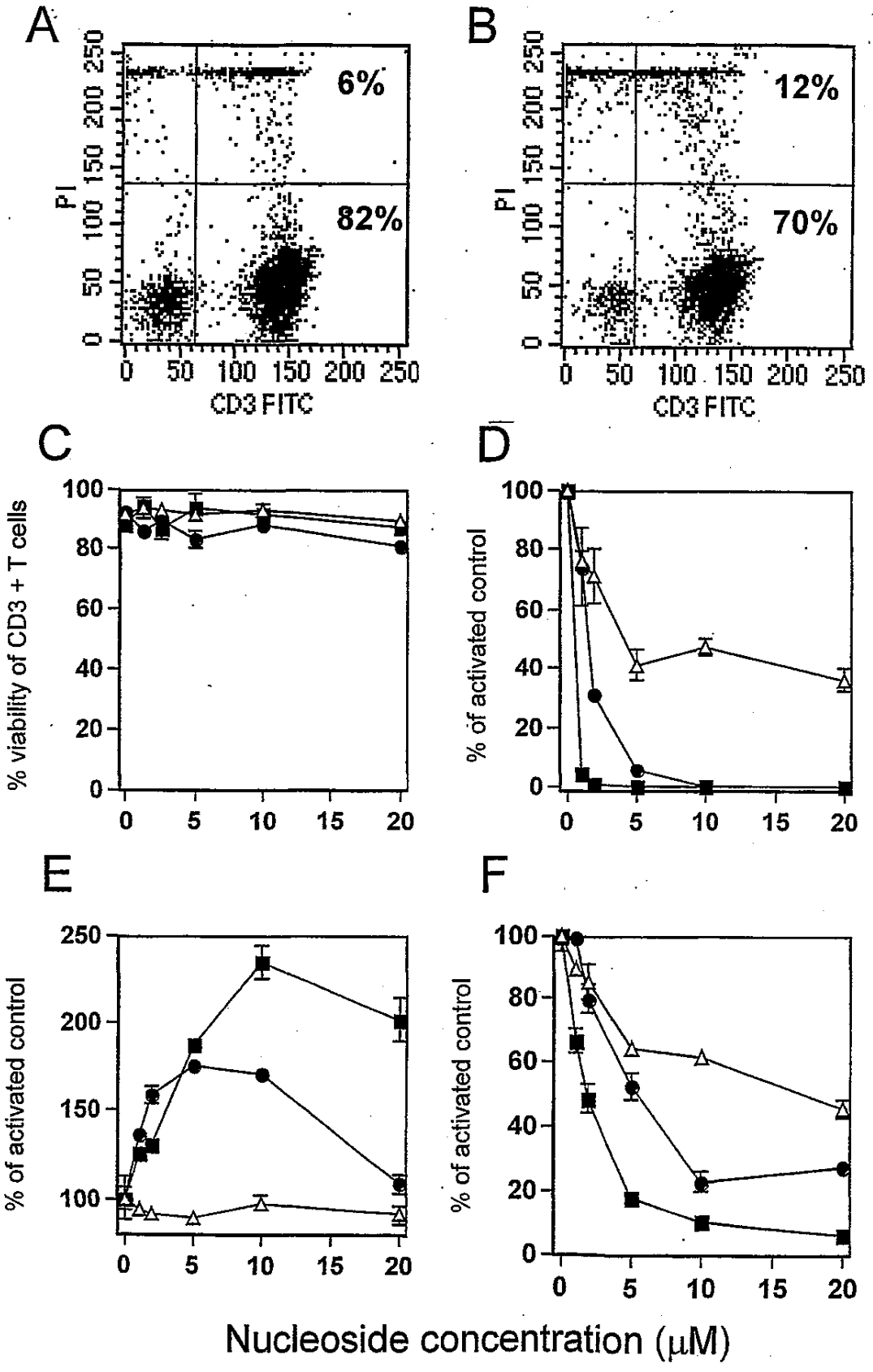
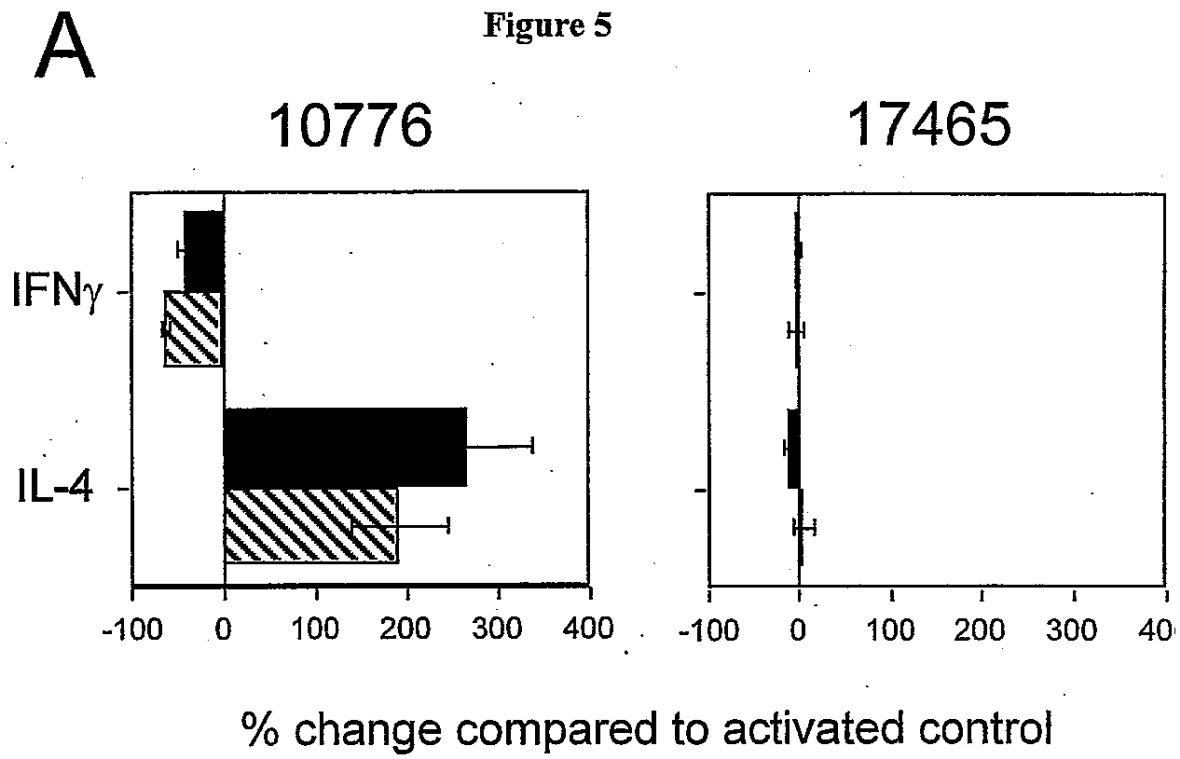

A
B
6%
82%
12%
70%
PI
CD3 FITC
C
D
% viability of CD3 + T cells
% of activated control
E
F
% of activated control
% of activated control
Nucleoside concentration (μM)

Figure 5


A
10776
17465
IFNγ
IL-4
-100 0 100 200 300 400
-100 0 100 200 300 40
% change compared to activated control

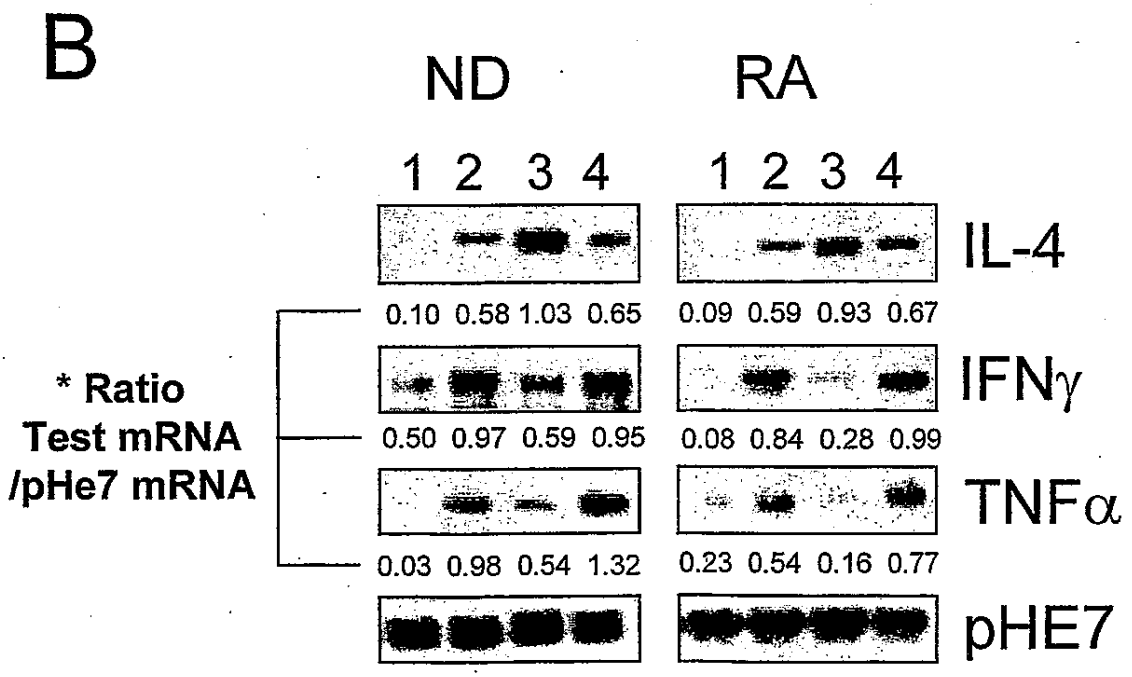

B
ND
RA
1 2 3 4
1 2 3 4
IL-4
0.10 0.58 1.03 0.65
0.09 0.59 0.93 0.67
IFNγ
0.50 0.97 0.59 0.95
0.08 0.84 0.28 0.99
TNFα
0.03 0.98 0.54 1.32
0.23 0.54 0.16 0.77
pHE7
* Ratio
Test mRNA
/pHe7 mRNA

Figure 6

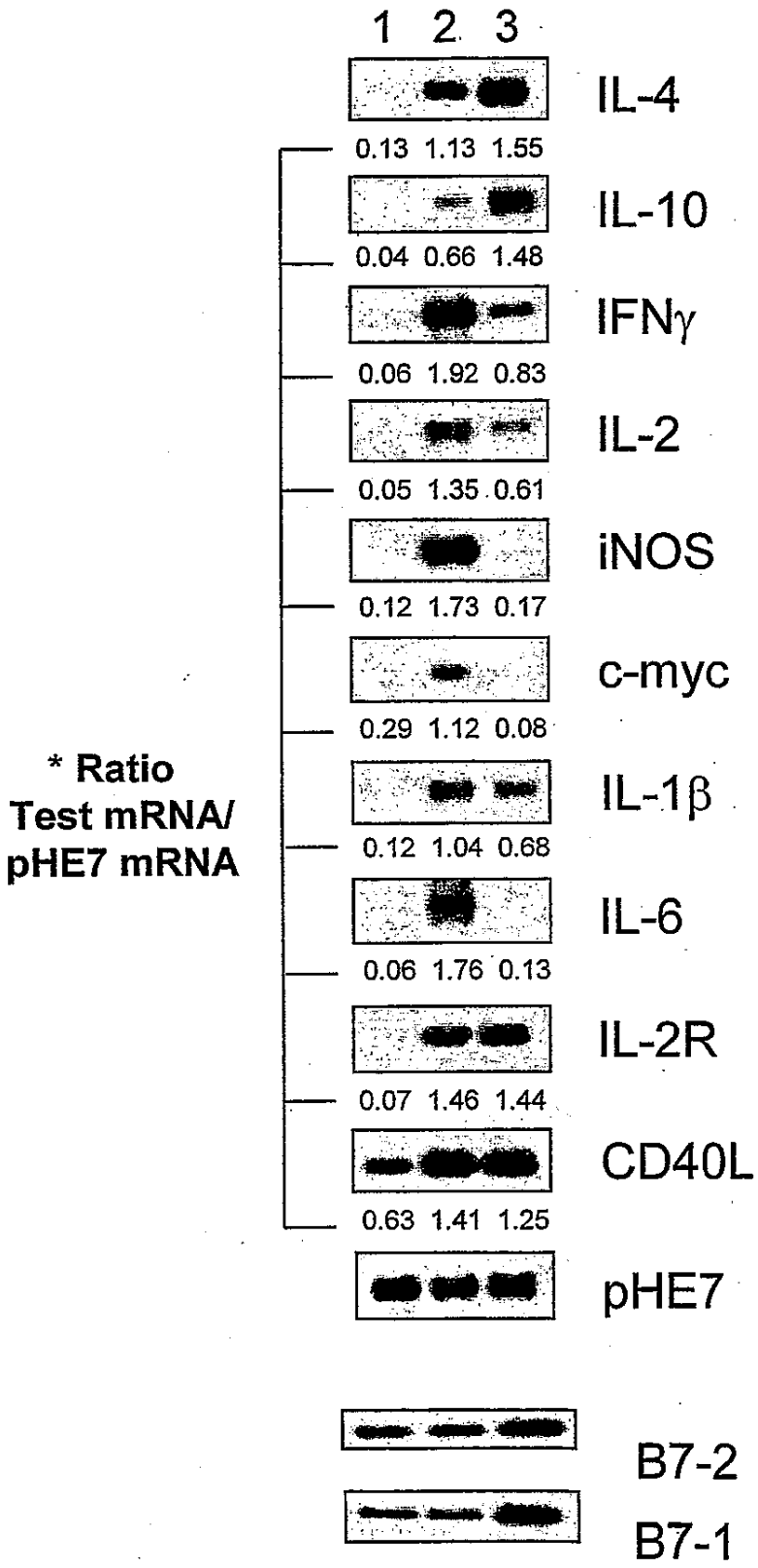

1 2 3
IL-4
0.13 1.13 1.55
IL-10
0.04 0.66 1.48
IFNγ
0.06 1.92 0.83
IL-2
0.05 1.35 0.61
iNOS
0.12 1.73 0.17
c-myc
0.29 1.12 0.08
IL-1β
0.12 1.04 0.68
IL-6
0.06 1.76 0.13
IL-2R
0.07 1.46 1.44
CD40L
0.63 1.41 1.25
pHE7
B7-2
B7-1
* Ratio
Test mRNA/
pHE7 mRNA

Figure 7

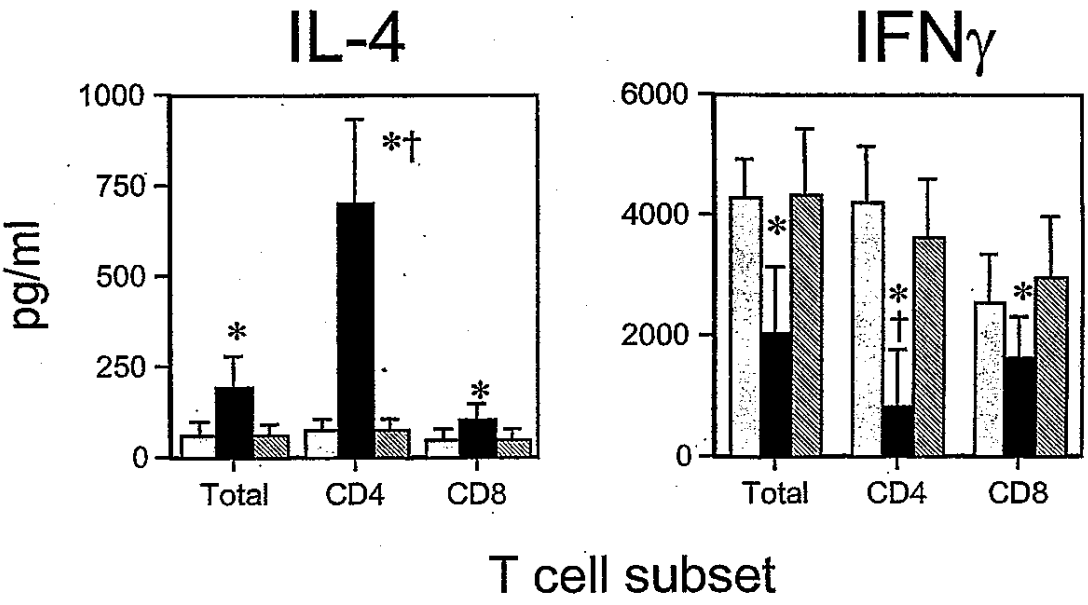

IL-4
IFNγ
pg/ml
1000
750
500
250
0
6000
4000
2000
0
*
*†
*
*
*†
*
Total
CD4
CD8
Total
CD4
CD8
T cell subset

Figure 8

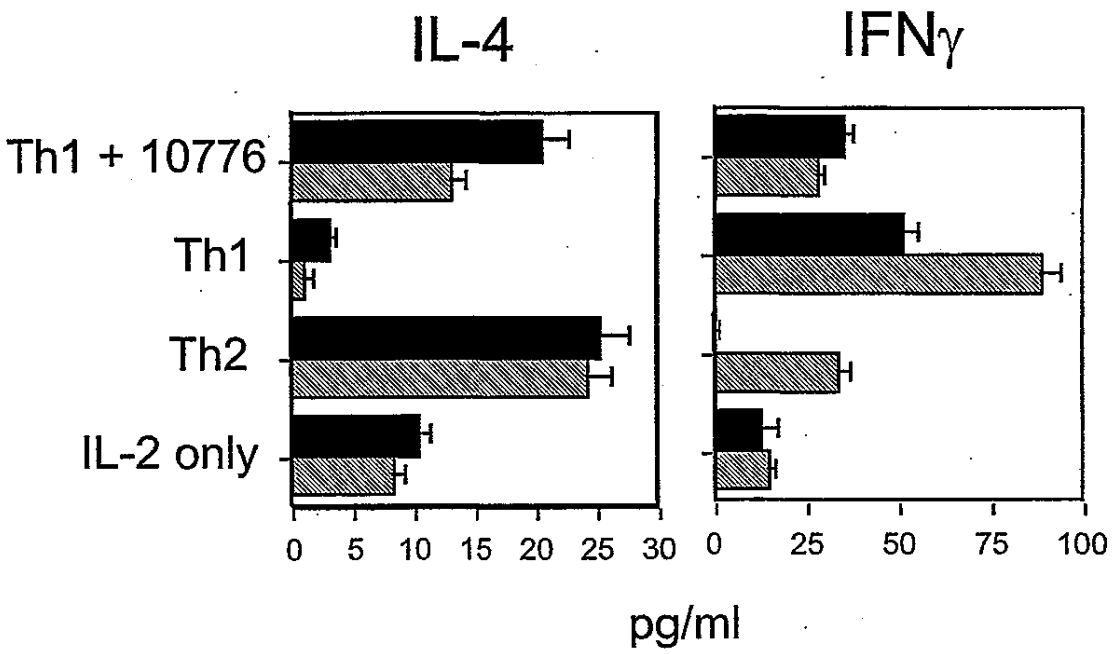
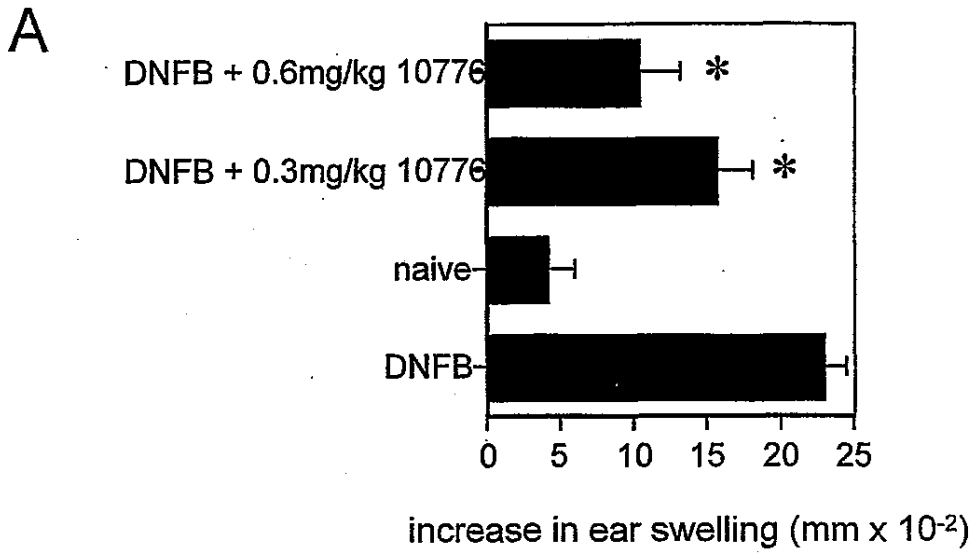

IL-4
IFNγ
Th1 + 10776
Th1
Th2
IL-2 only
0 5 10 15 20 25 30
0 25 50 75 100
pg/ml

Figure 9


A
DNFB + 0.6mg/kg 10776
DNFB + 0.3mg/kg 10776
naive
DNFB
*
*
0
5
10
15
20
25
increase in ear swelling (mm x 10-2)

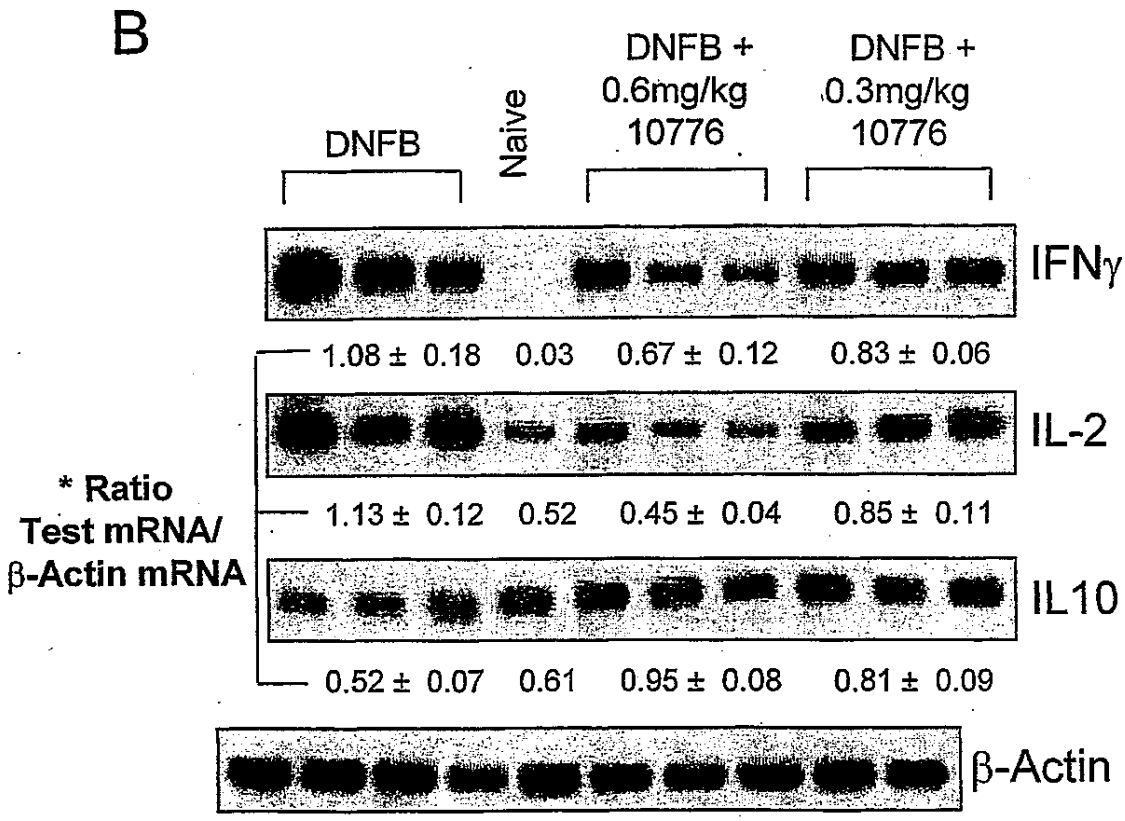
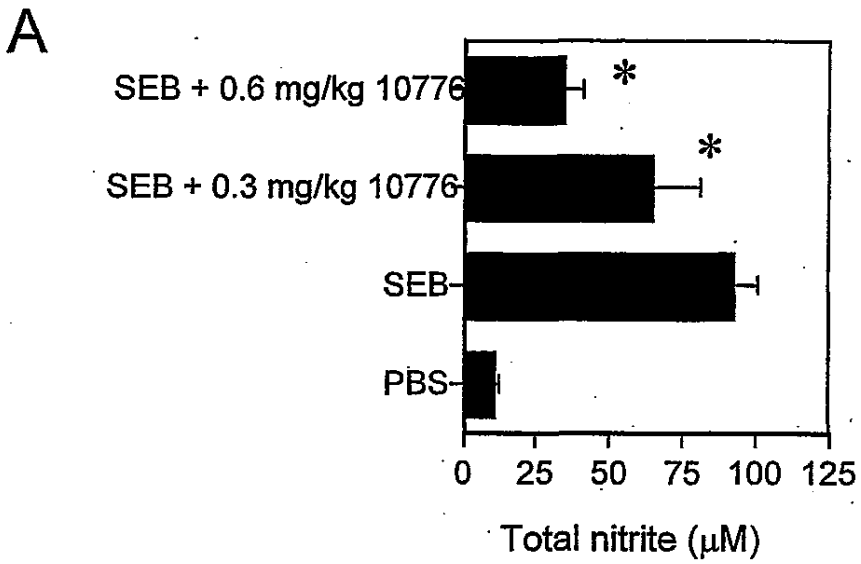
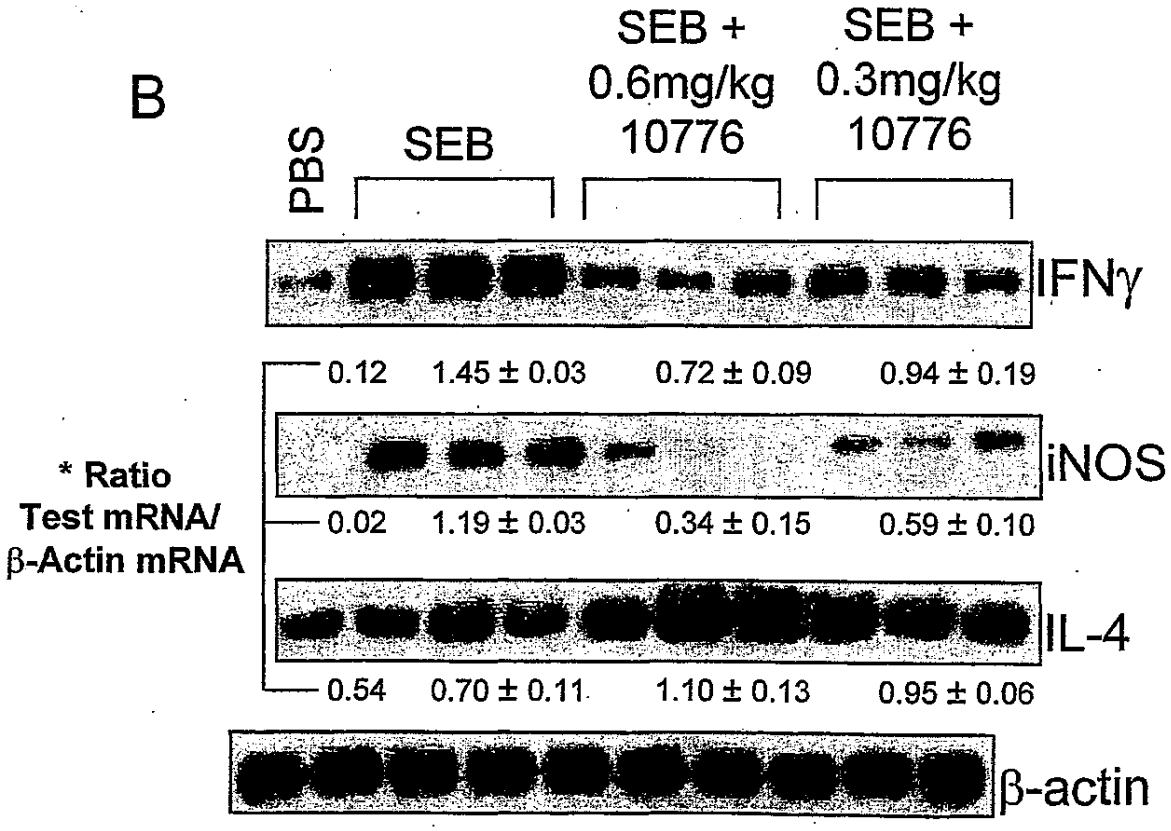

B
DNFB
Naive
DNFB + 0.6mg/kg 10776
DNFB + 0.3mg/kg 10776
IFNγ
1.08 ± 0.18
0.03
0.67 ± 0.12
0.83 ± 0.06
IL-2
1.13 ± 0.12
0.52
0.45 ± 0.04
0.85 ± 0.11
IL10
0.52 ± 0.07
0.61
0.95 ± 0.08
0.81 ± 0.09
β-Actin
* Ratio Test mRNA/ β-Actin mRNA

Figure 10


A
SEB + 0.6 mg/kg 10776
SEB + 0.3 mg/kg 10776
SEB
PBS
*
*
0
25
50
75
100
125
Total nitrite (μM)


B
PBS
SEB
SEB + 0.6mg/kg 10776
SEB + 0.3mg/kg 10776
IFNγ
0.12
1.45 ± 0.03
0.72 ± 0.09
0.94 ± 0.19
iNOS
0.02
1.19 ± 0.03
0.34 ± 0.15
0.59 ± 0.10
IL-4
0.54
0.70 ± 0.11
1.10 ± 0.13
0.95 ± 0.06
β-actin
* Ratio Test mRNA/ β-Actin mRNA