FIGURE 1

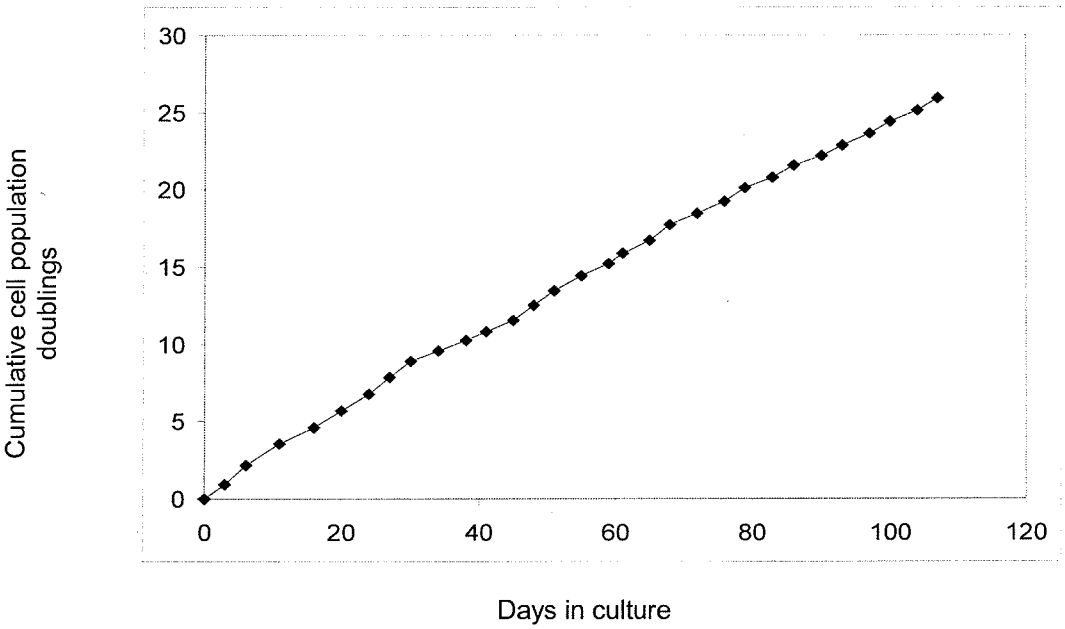

Cumulative cell population doublings
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Days in culture

FIGURE 2

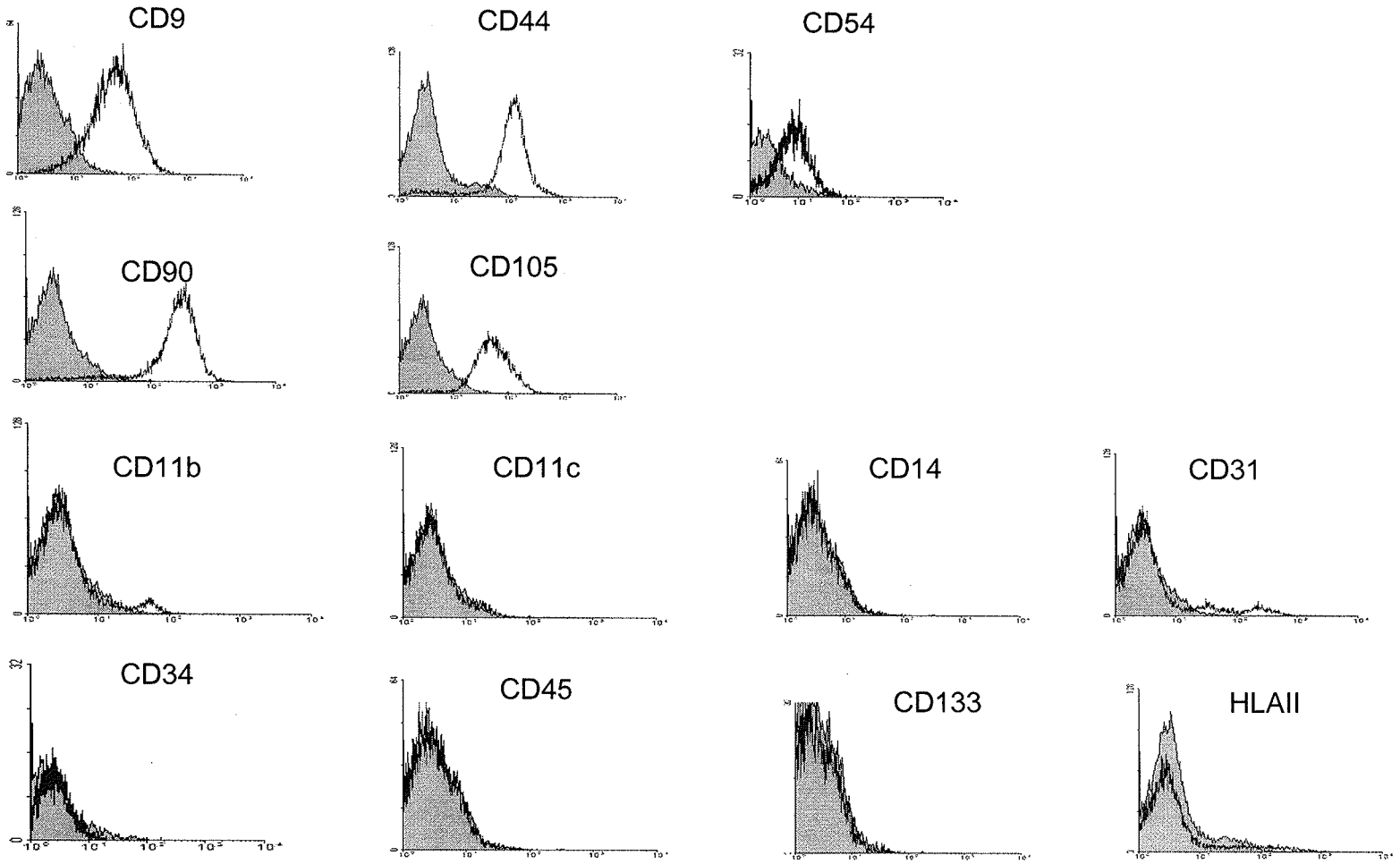
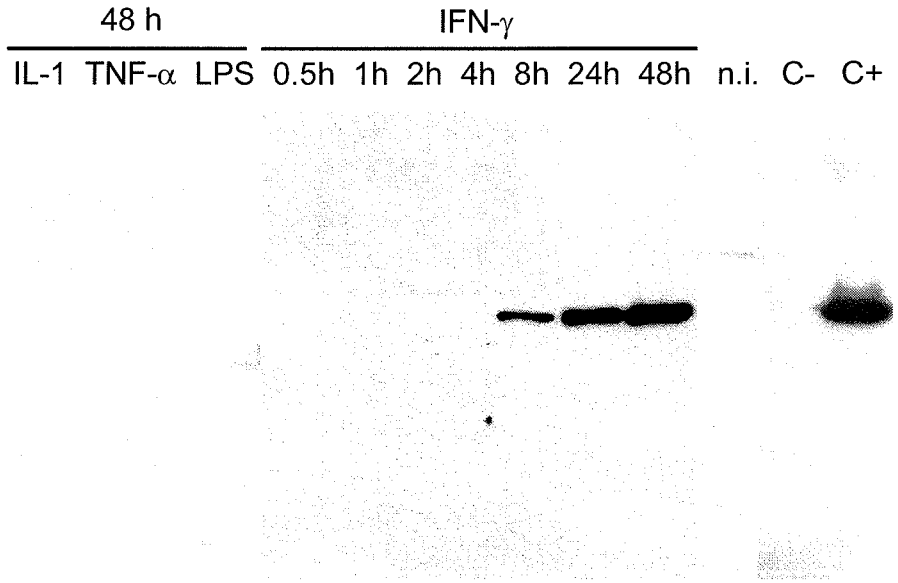
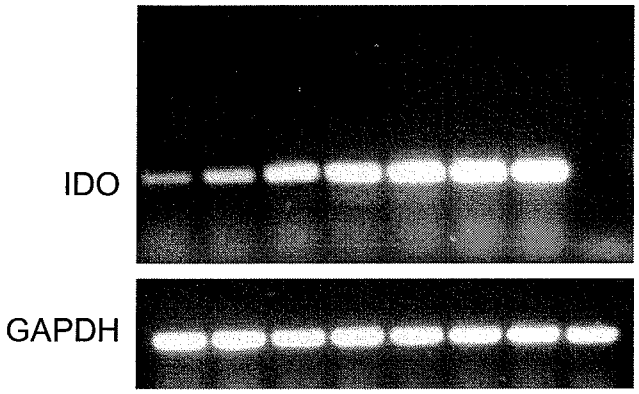

CD9
CD44
CD54
CD90
CD105
CD11b
CD11c
CD14
CD31
CD34
CD45
CD133
HLAII

FIGURE 3

3A





3B

FIGURE 4

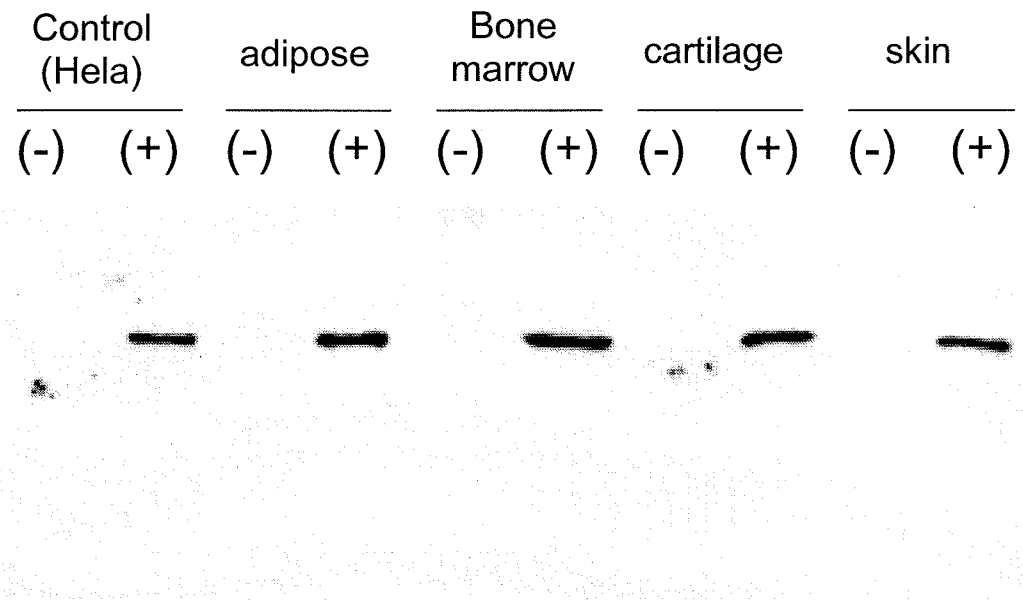


FIGURE 5

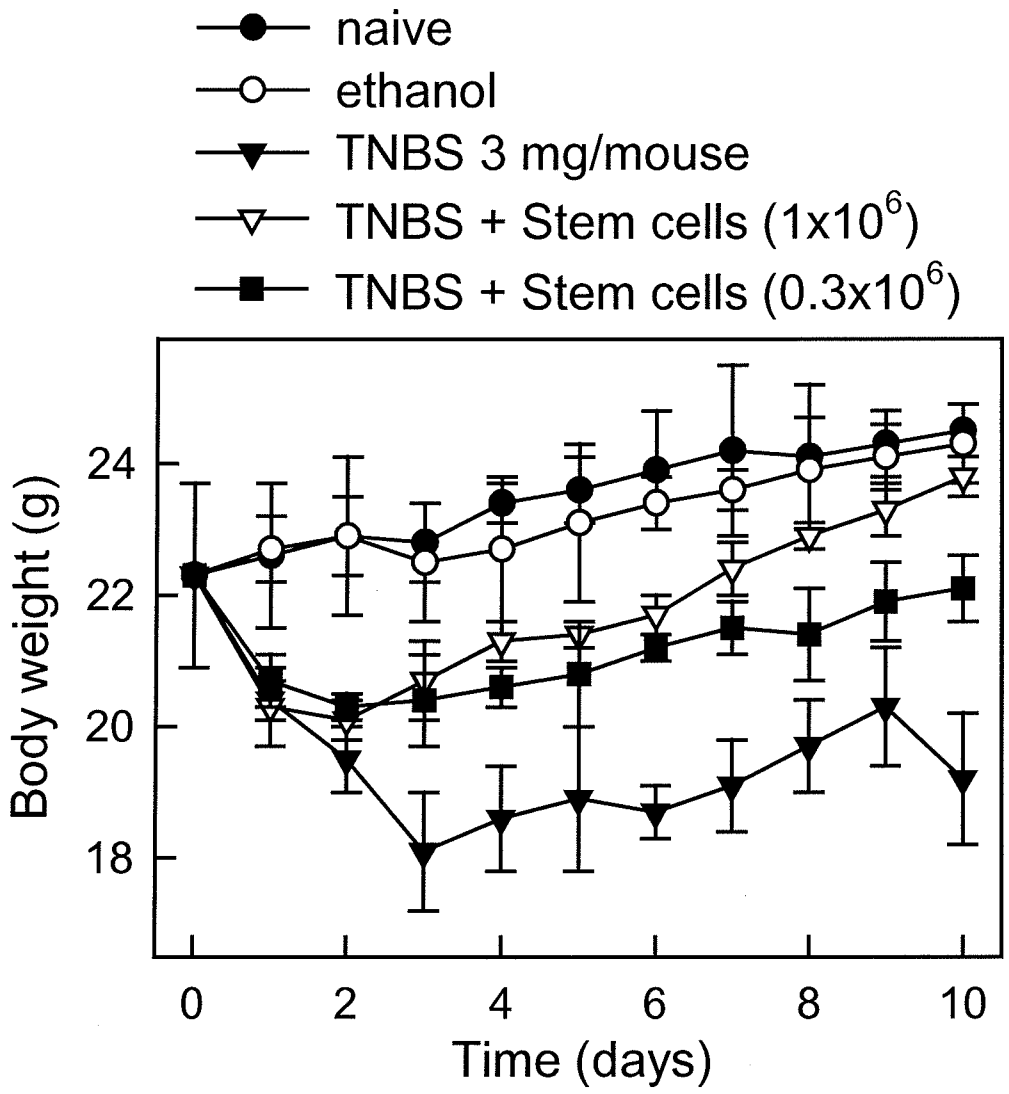

naive
ethanol
TNBS 3 mg/mouse
TNBS + Stem cells (1x10^6)
TNBS + Stem cells (0.3x10^6)
Body weight (g)
24
22
20
18
0
2
4
6
8
10
Time (days)

FIGURE 6

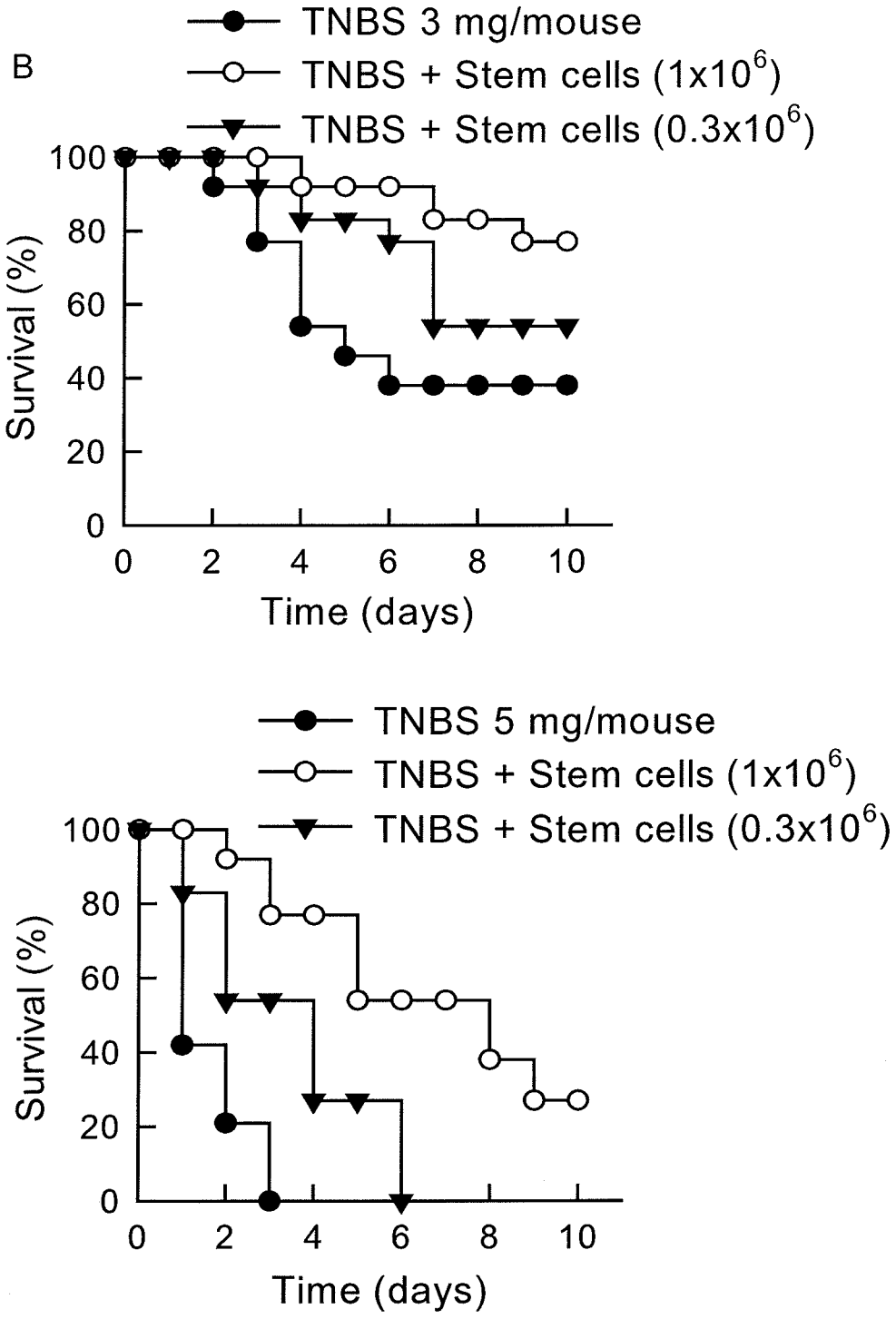

B
TNBS 3 mg/mouse
TNBS + Stem cells (1x10^6)
TNBS + Stem cells (0.3x10^6)
Survival (%)
100
80
60
40
20
0
0
2
4
6
8
10
Time (days)
TNBS 5 mg/mouse
TNBS + Stem cells (1x10^6)
TNBS + Stem cells (0.3x10^6)
Survival (%)
100
80
60
40
20
0
0
2
4
6
8
10
Time (days)

FIGURE 7

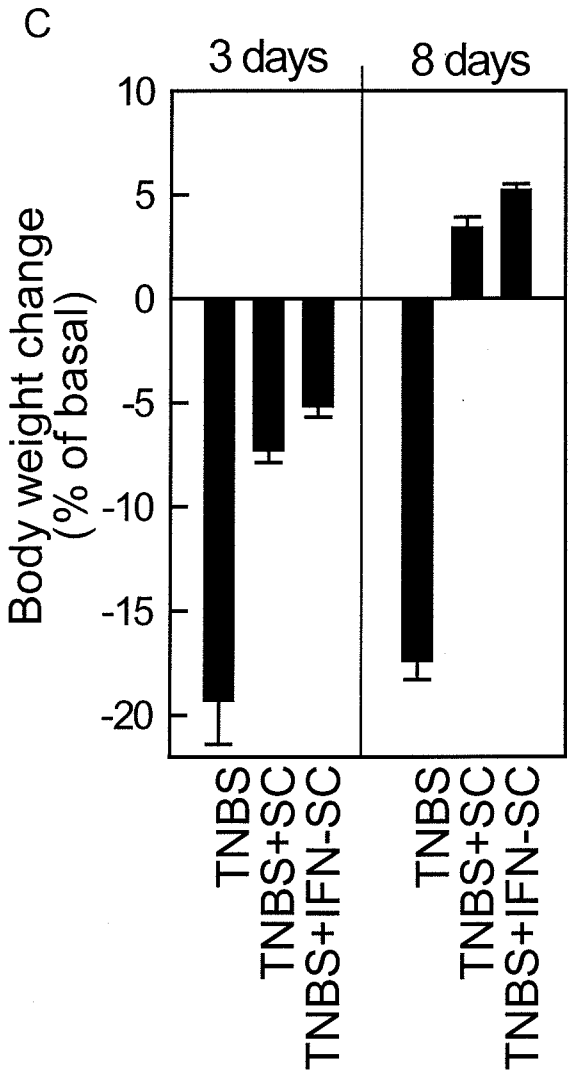

C
3 days
8 days
10
5
0
-5
-10
-15
-20
Body weight change
(% of basal)
TNBS
TNBS+SC
TNBS+IFN-SC
TNBS
TNBS+SC
TNBS+IFN-SC

FIGURE 8

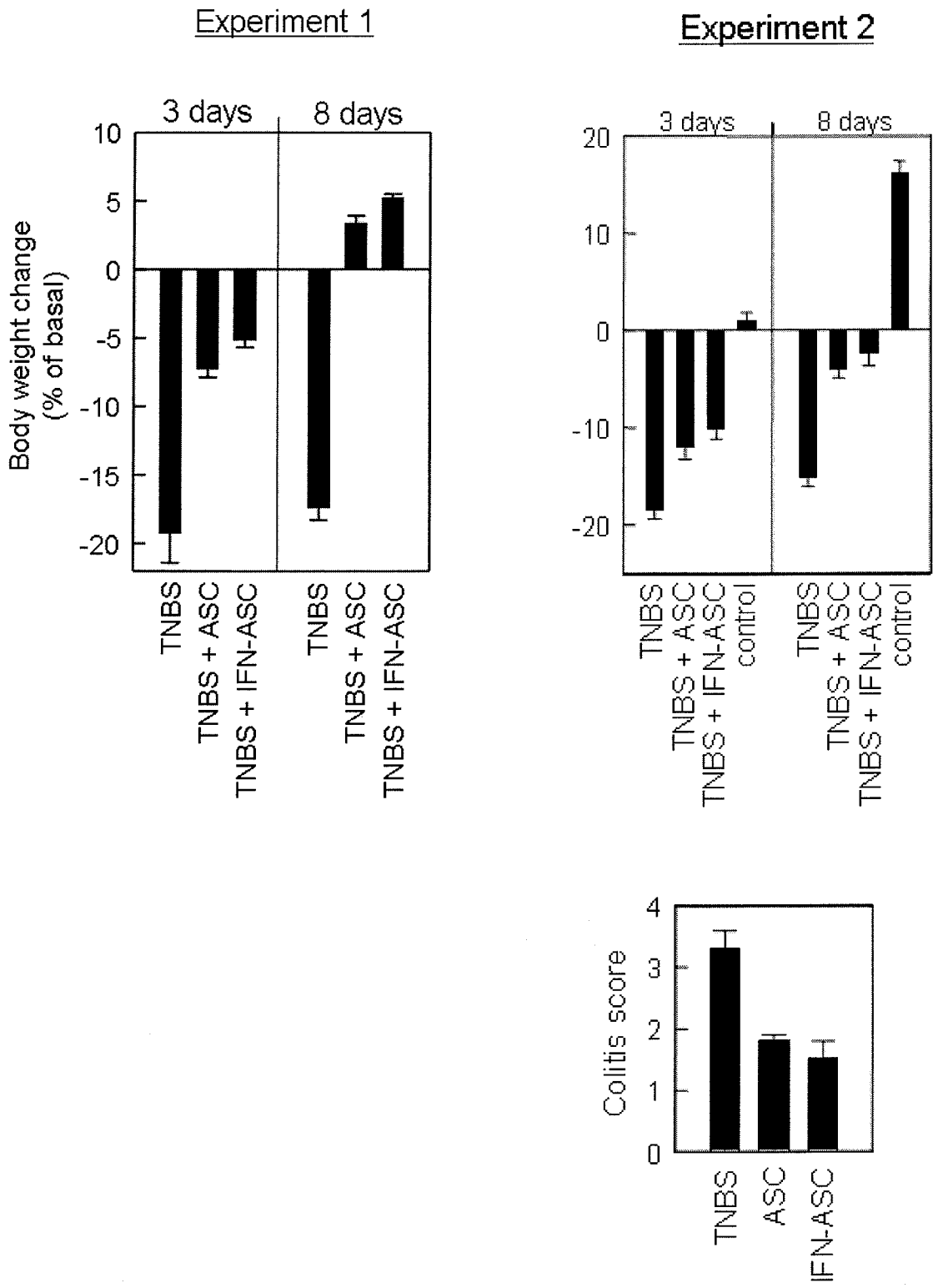

Experiment 1
3 days
8 days
Body weight change (% of basal)
10
5
0
-5
-10
-15
-20
TNBS
TNBS + ASC
TNBS + IFN-ASC
TNBS
TNBS + ASC
TNBS + IFN-ASC
Experiment 2
3 days
8 days
20
10
0
-10
-20
TNBS
TNBS + ASC
TNBS + IFN-ASC
control
TNBS
TNBS + ASC
TNBS + IFN-ASC
control
Colitis score
4
3
2
1
0
TNBS
ASC
IFN-ASC

FIGURE 9

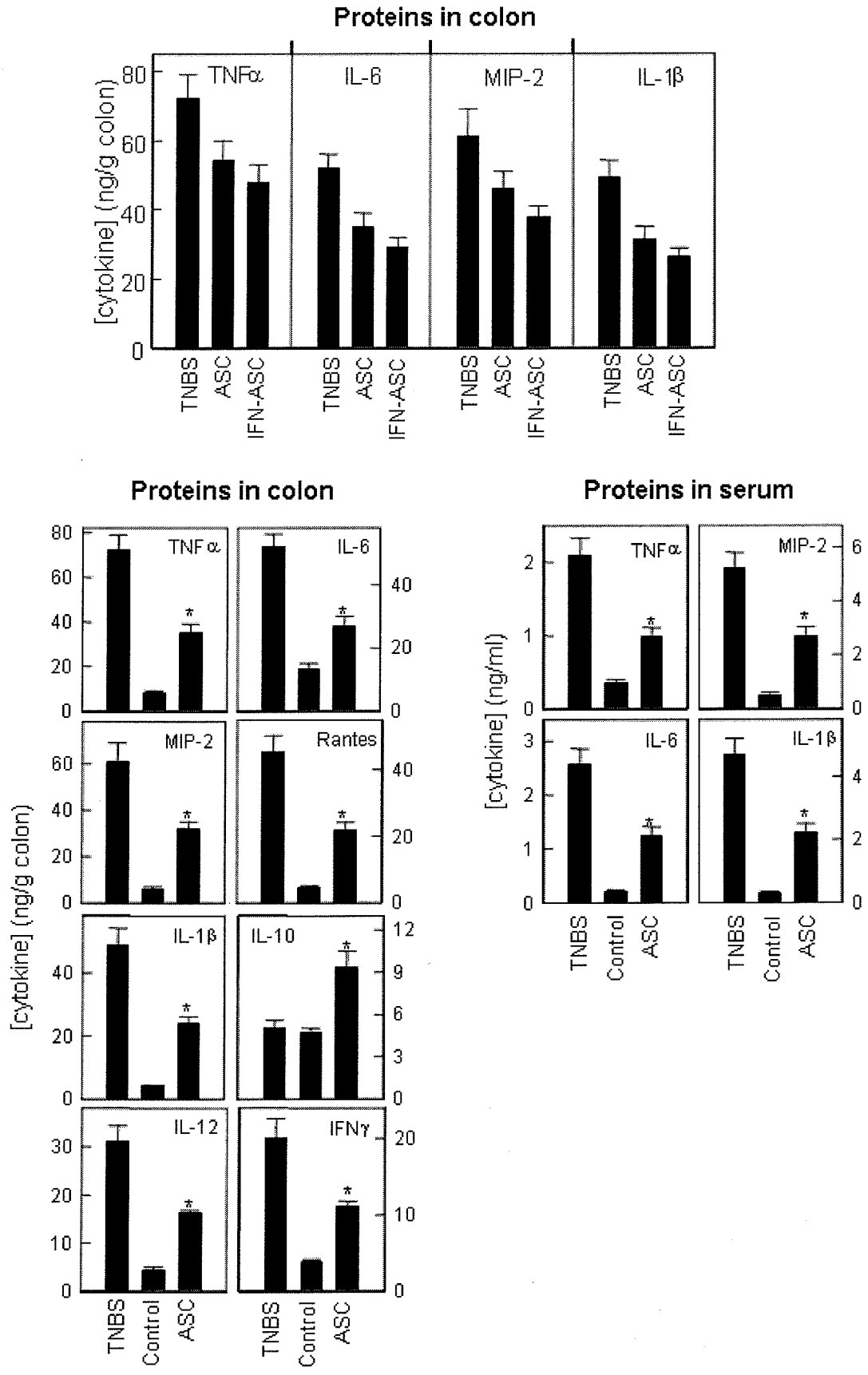

Proteins in colon
[cytokine] (ng/g colon)
TNFα
IL-6
MIP-2
IL-1β
TNBS
ASC
IFN-ASC
Proteins in colon
Proteins in serum
[cytokine] (ng/ml)
Rantes
IL-10
IL-12
IFNγ
Control

FIGURE 10

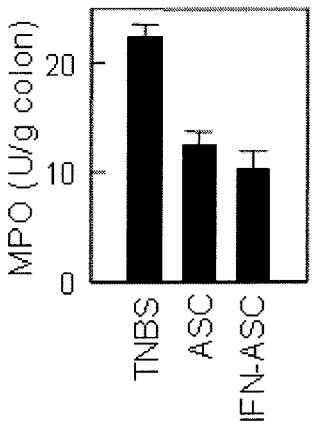


FIGURE 11

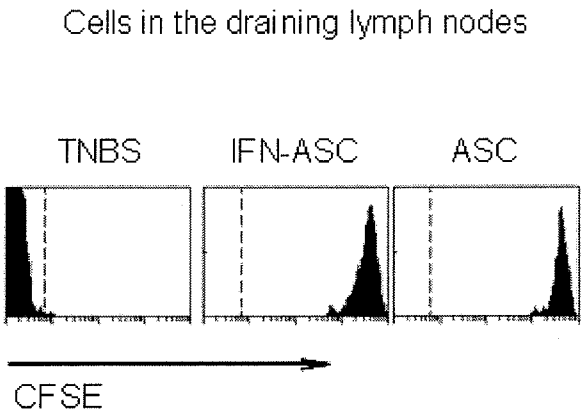


FIGURE 12

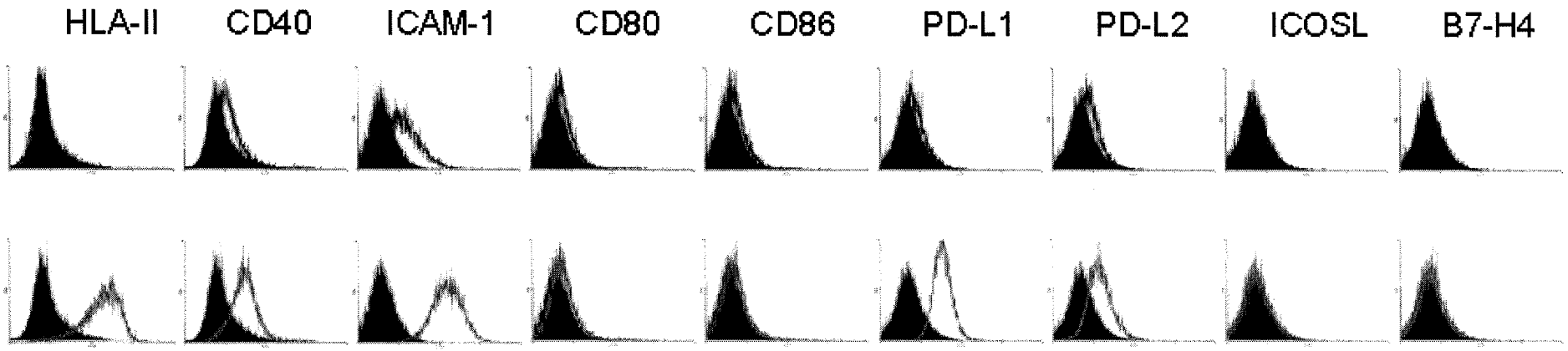


FIGURE 13

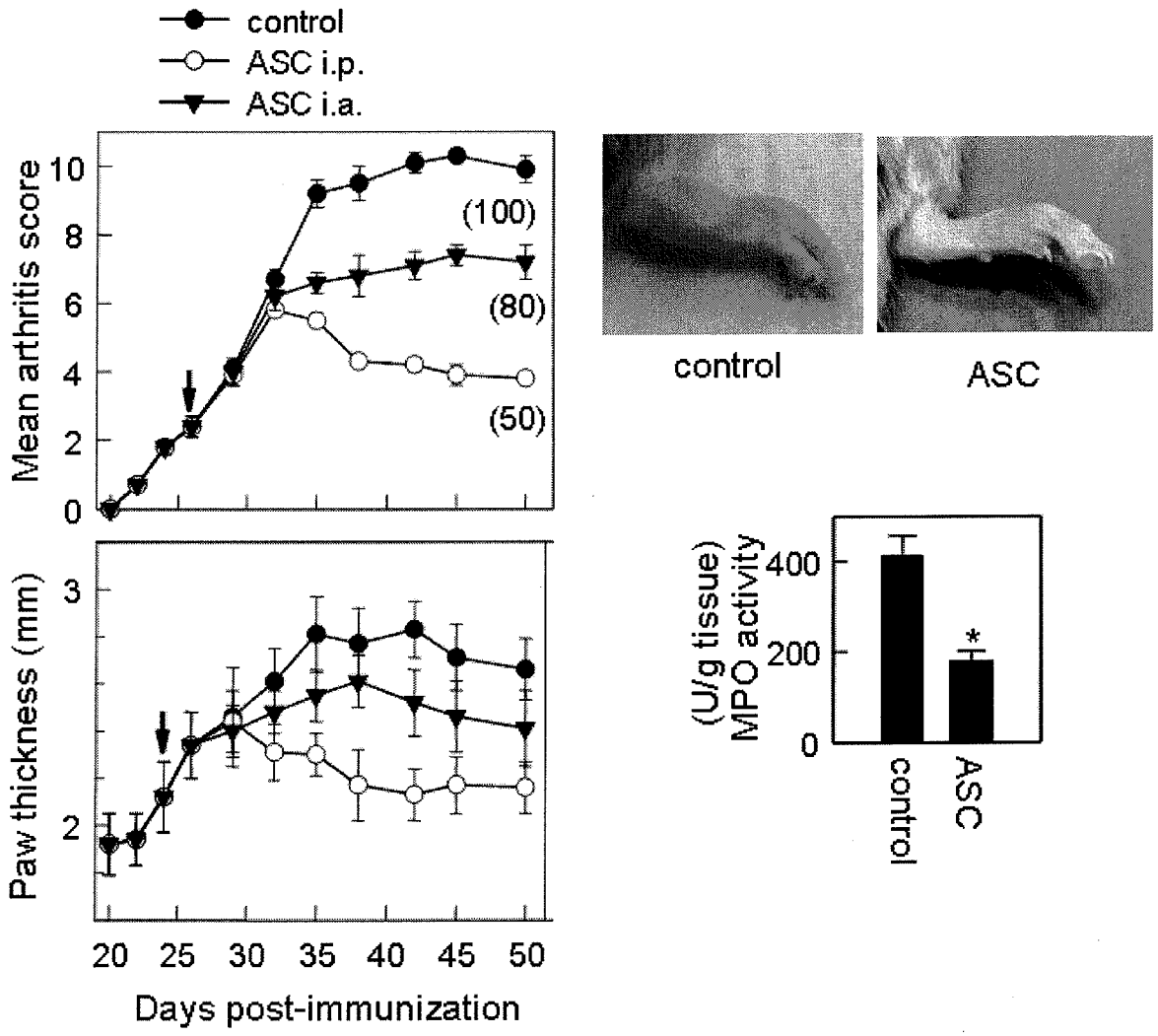
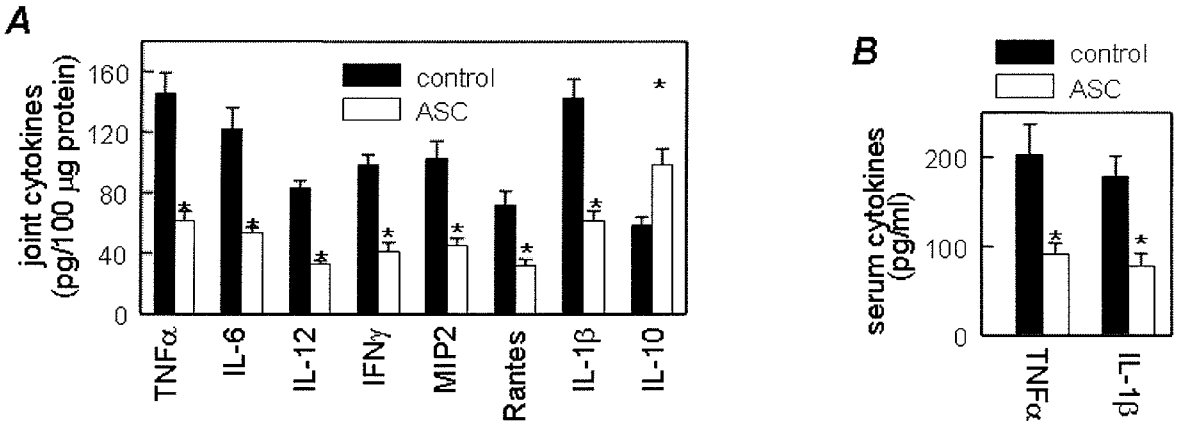
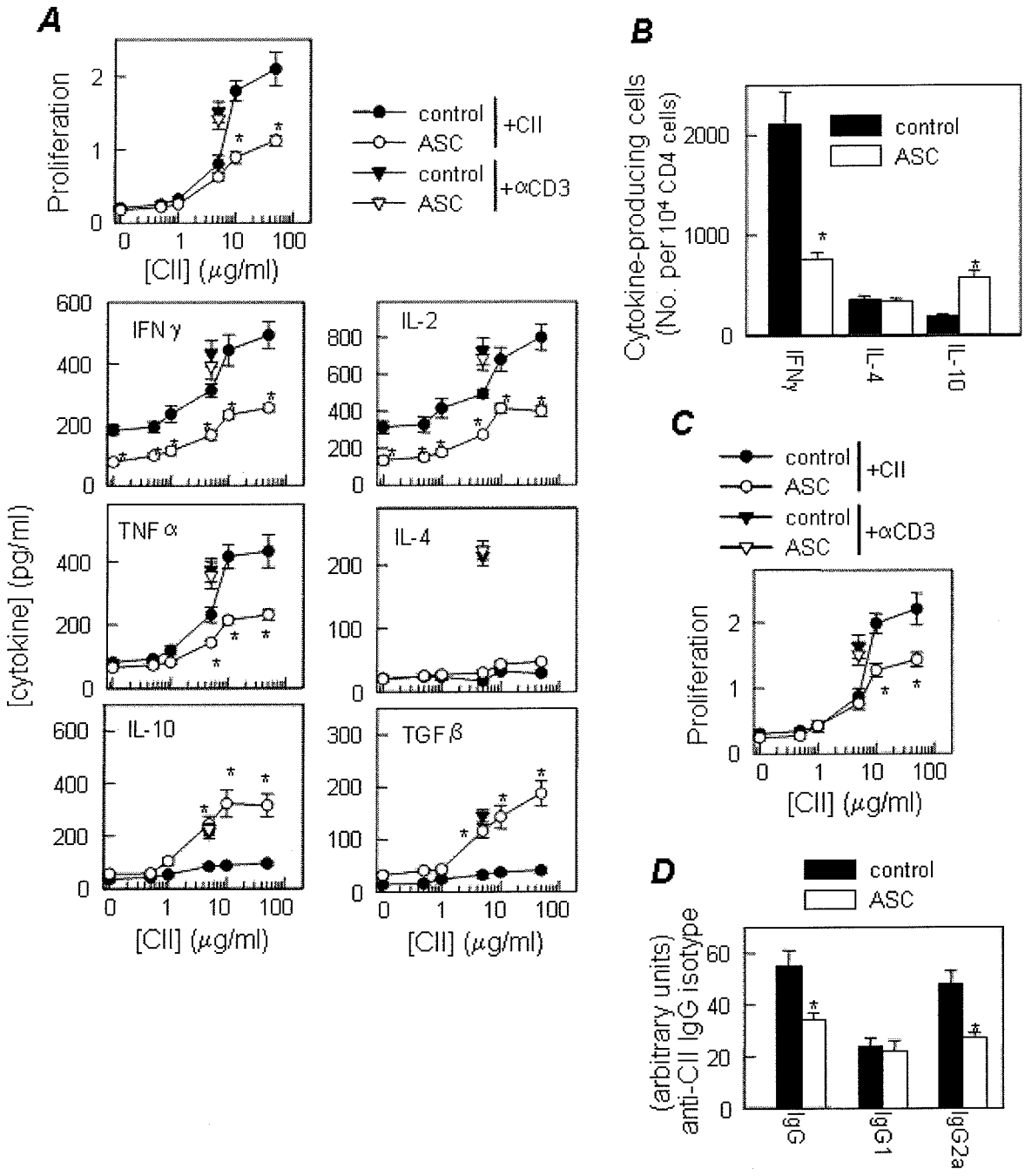

control
ASC i.p.
ASC i.a.
Mean arthritis score
10
8
6
4
2
0
(100)
(80)
(50)
Paw thickness (mm)
3
2
20
25
30
35
40
45
50
Days post-immunization
control
ASC
(U/g tissue)
MPO activity
400
200
0
*
control
ASC

FIGURE 14



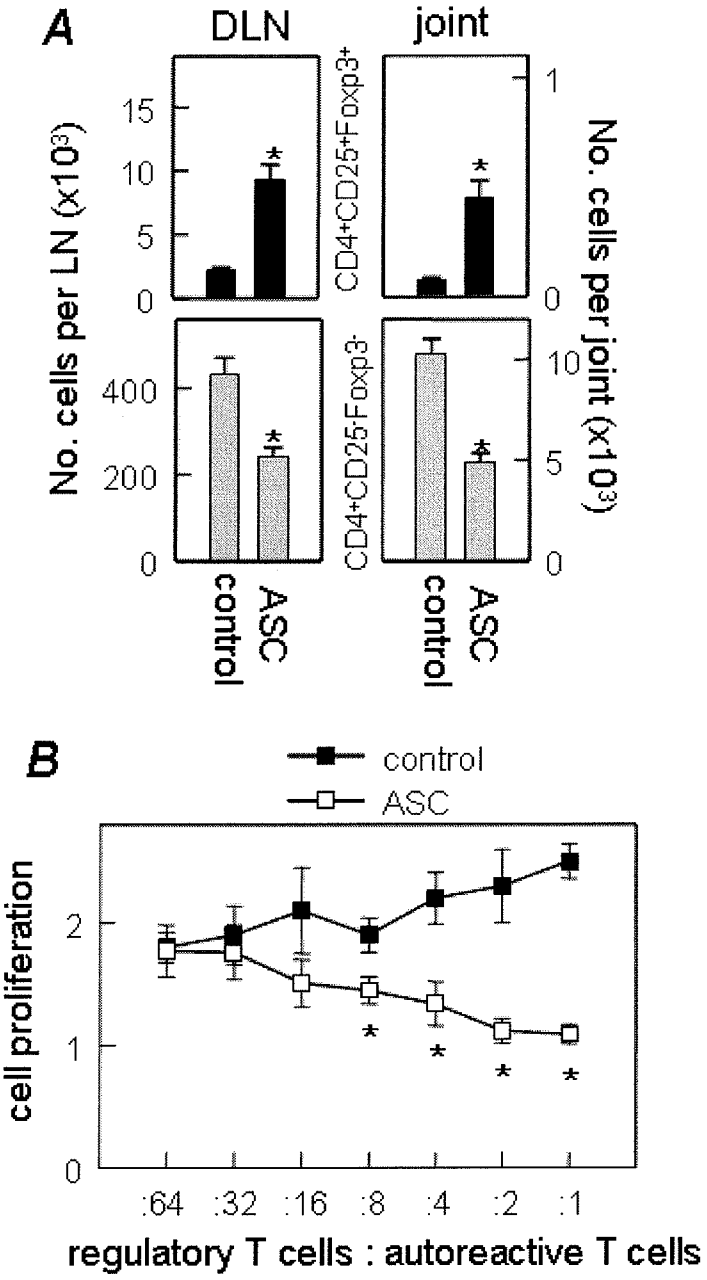
*p<0.001 versus controls

FIGURE 15



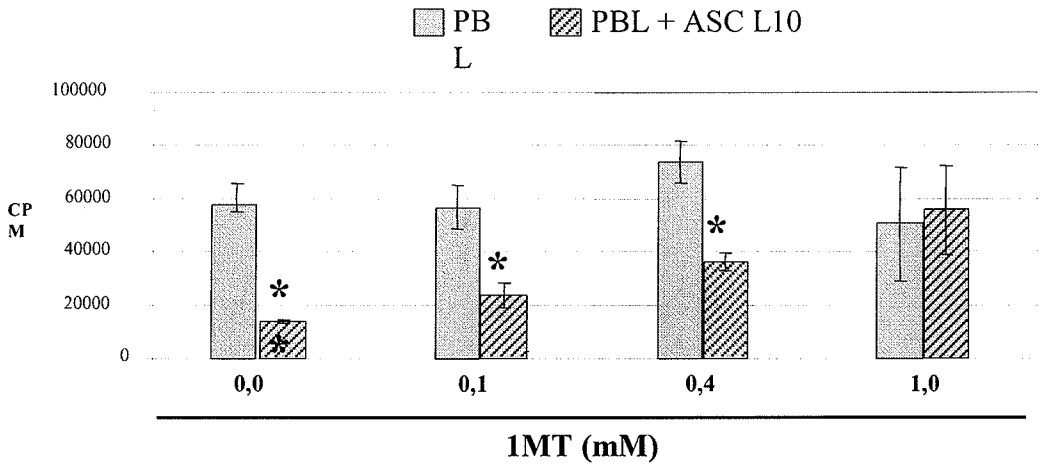
*p<0.001 versus controls

FIGURE 16



* p<0.01 *versus* controls

FIGURE 17



% Prolif. Inhibition	**86,9**	**58,3**	**50,7**	**- 10,0**

FIGURE 18

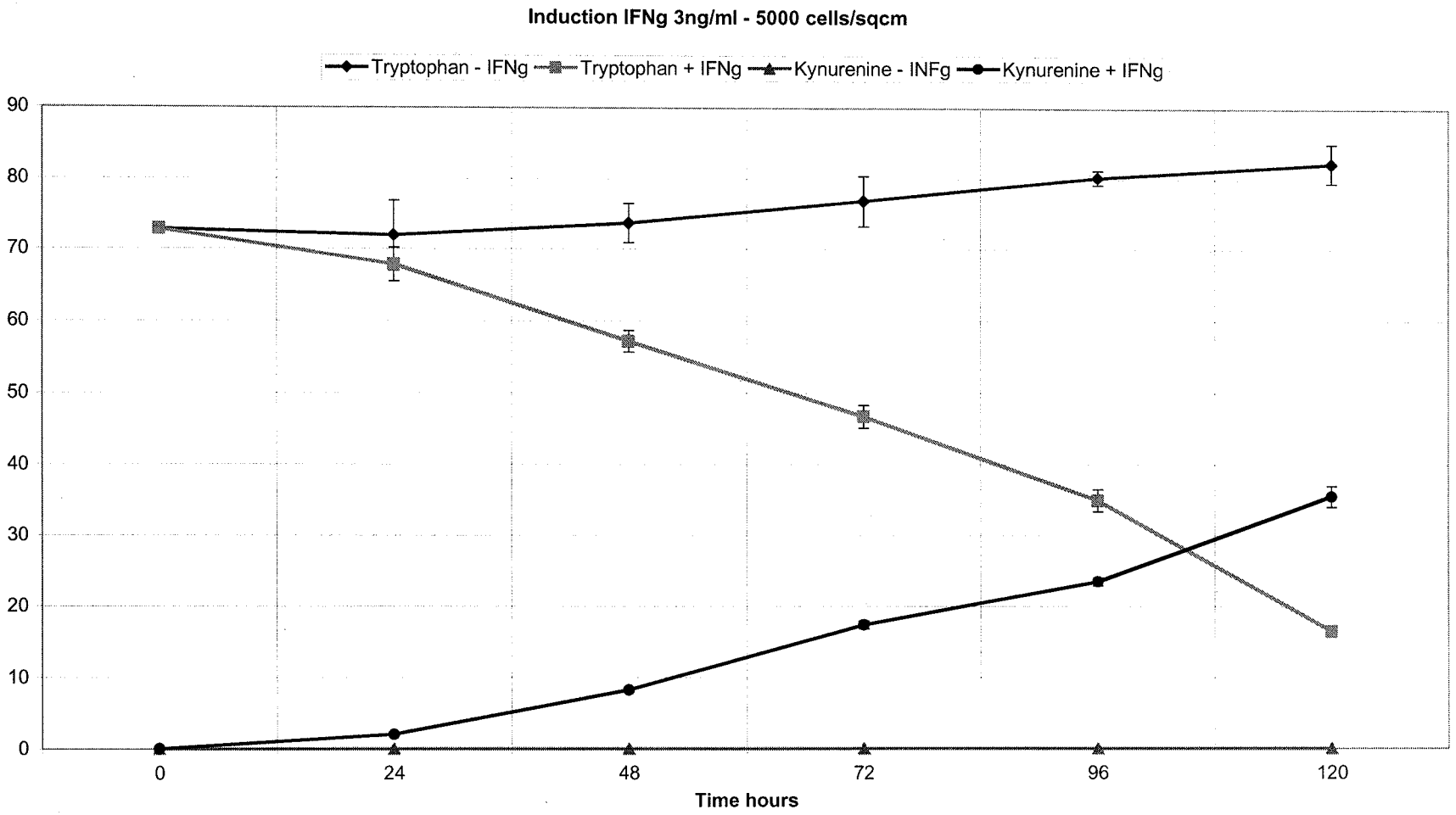

Induction IFNg 3ng/ml - 5000 cells/sqcm
Tryptophan - IFNg
Tryptophan + IFNg
Kynurenine - INFg
Kynurenine + IFNg
90
80
70
60
50
40
30
20
10
0
0
24
48
72
96
120
Time hours

FIGURE 19

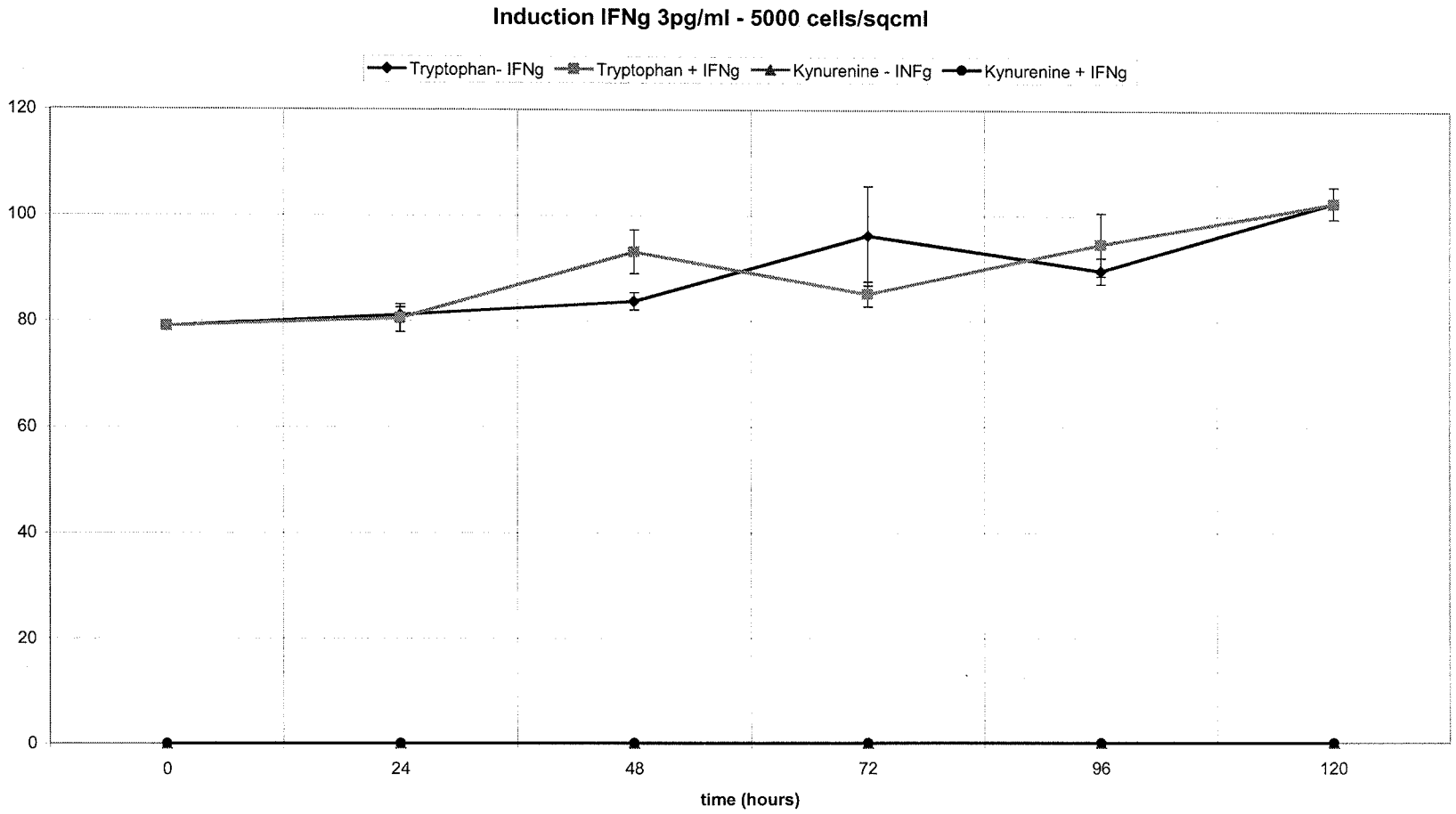

Induction IFNg 3pg/ml - 5000 cells/sqcml
Tryptophan- IFNg
Tryptophan + IFNg
Kynurenine - INFg
Kynurenine + IFNg
120
100
80
60
40
20
0
0
24
48
72
96
120
time (hours)

FIGURE 20

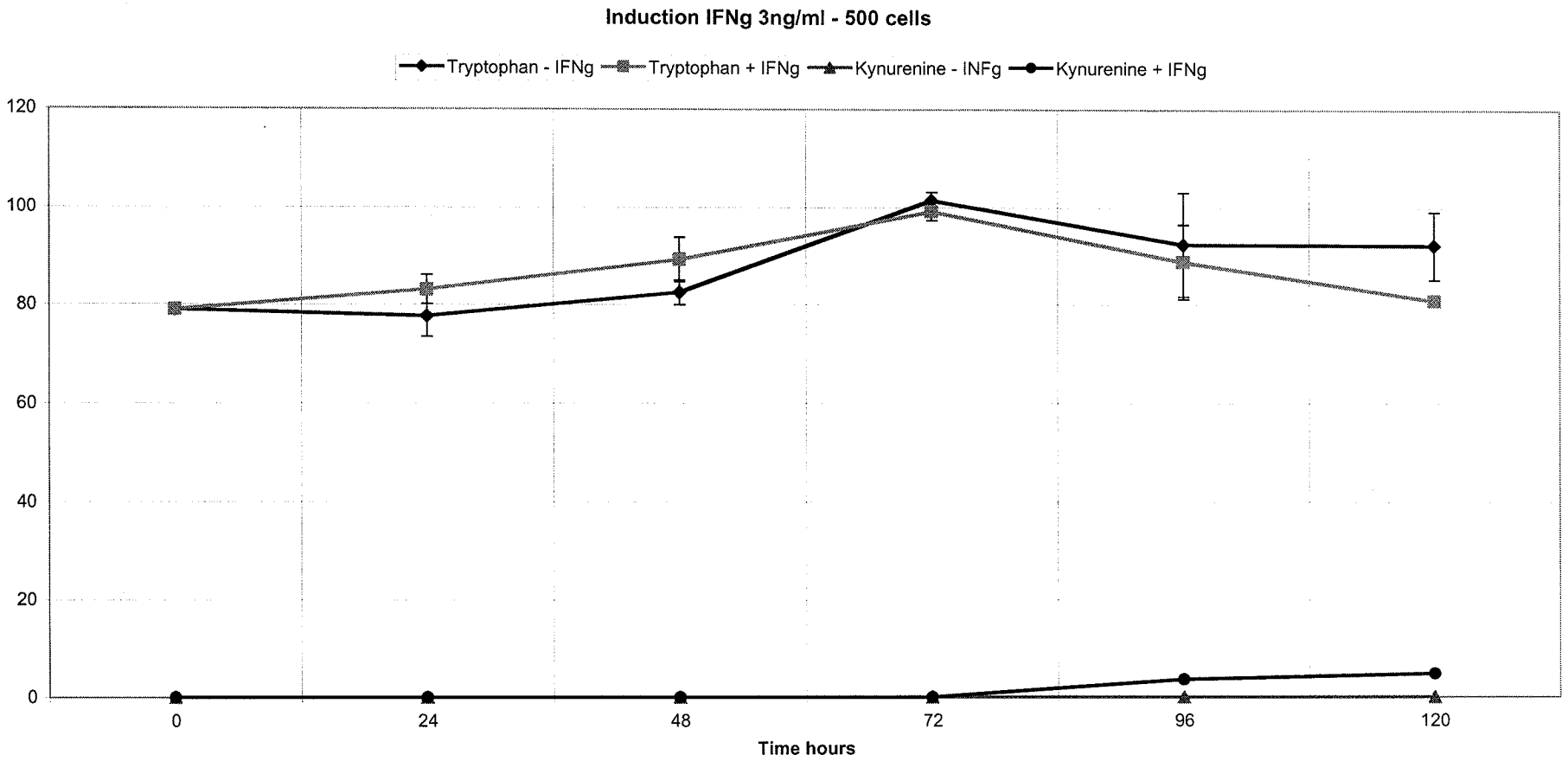

Induction IFNg 3ng/ml - 500 cells
Tryptophan - IFNg
Tryptophan + IFNg
Kynurenine - INFg
Kynurenine + IFNg
120
100
80
60
40
20
0
0
24
48
72
96
120
Time hours

FIGURE 21

