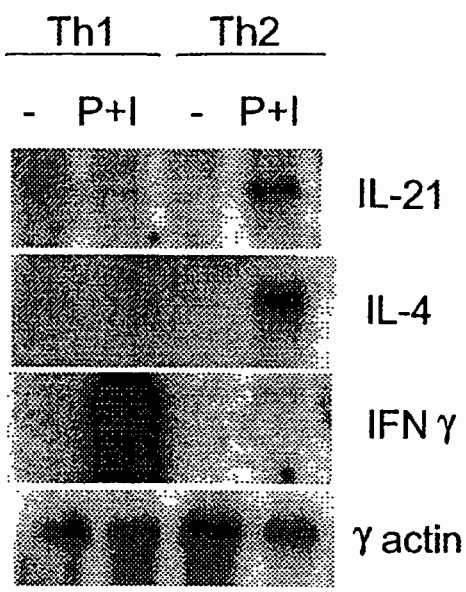
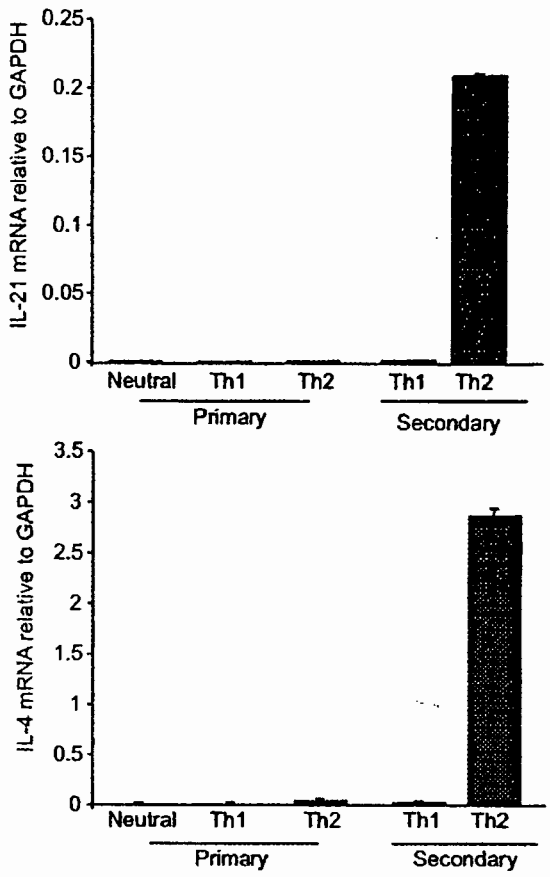
FIGS 1A-1D

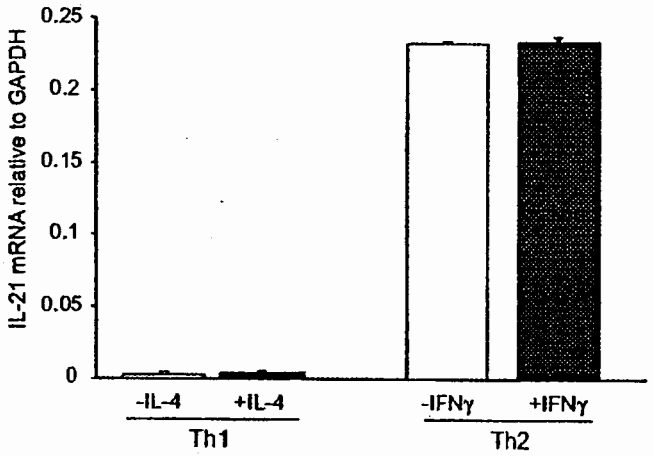
A.



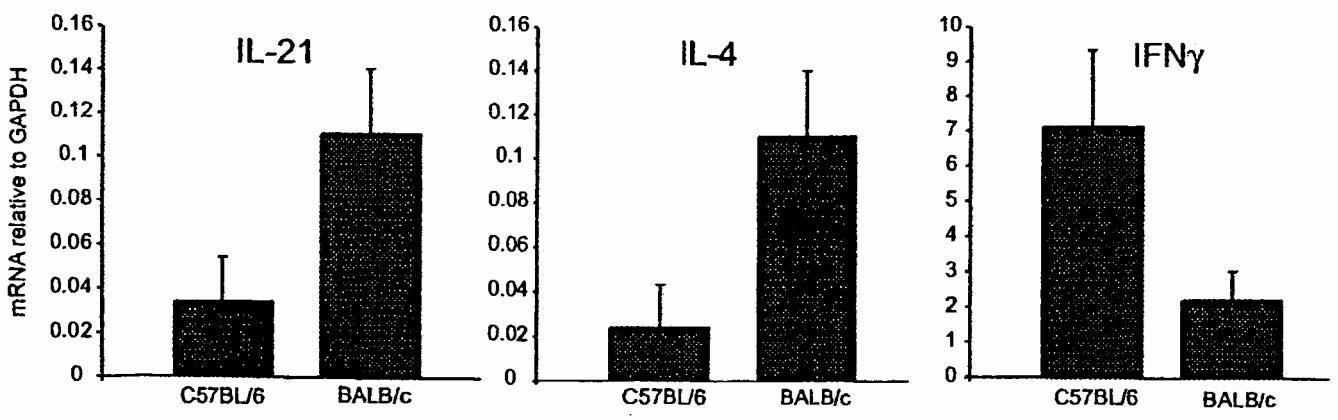
B.



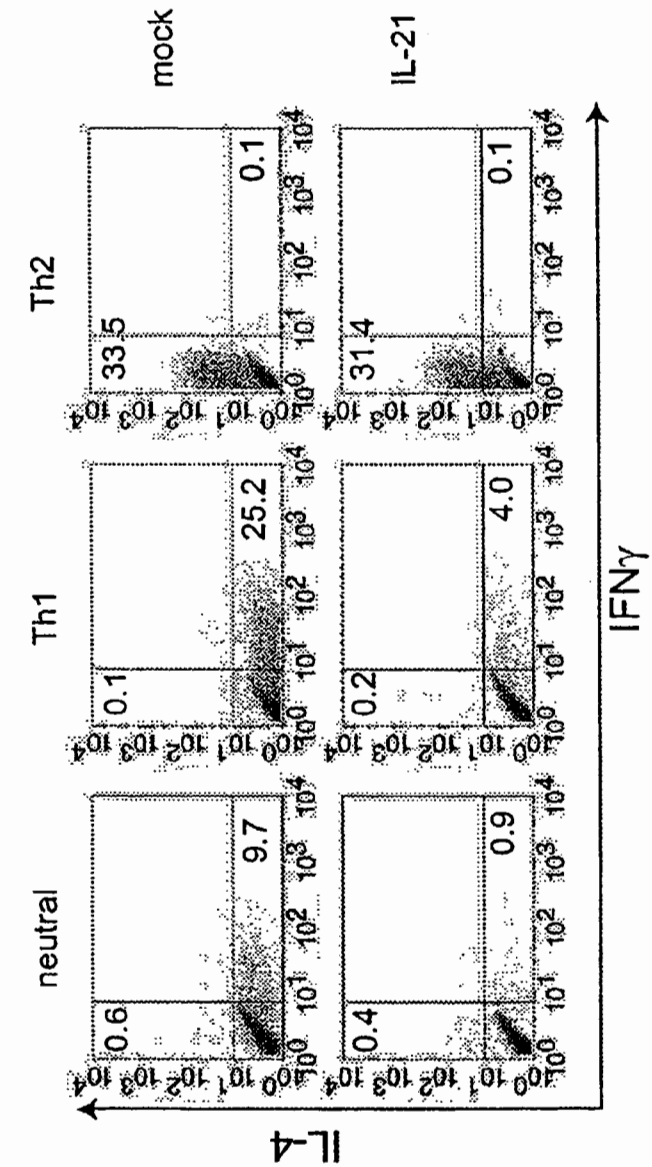
C.

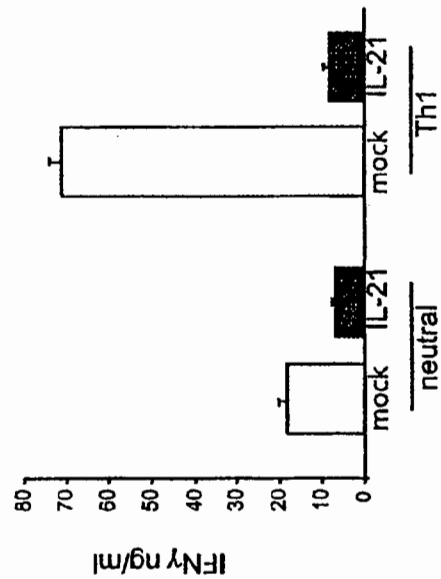


D.

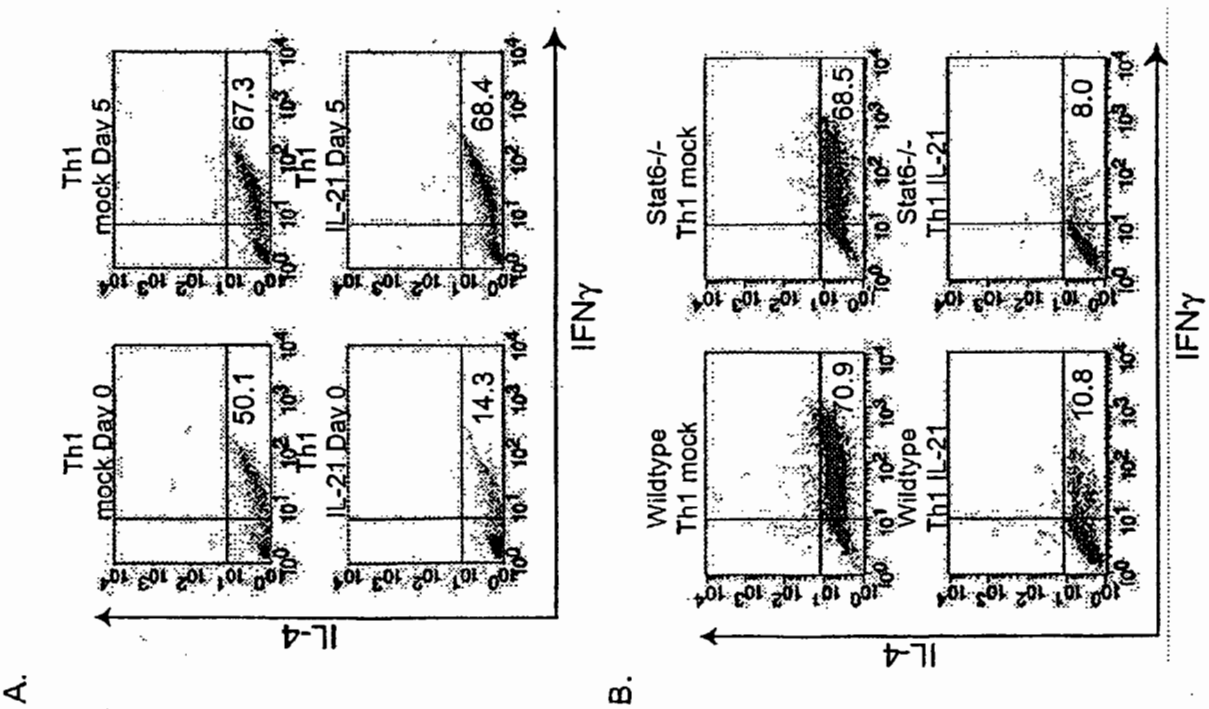


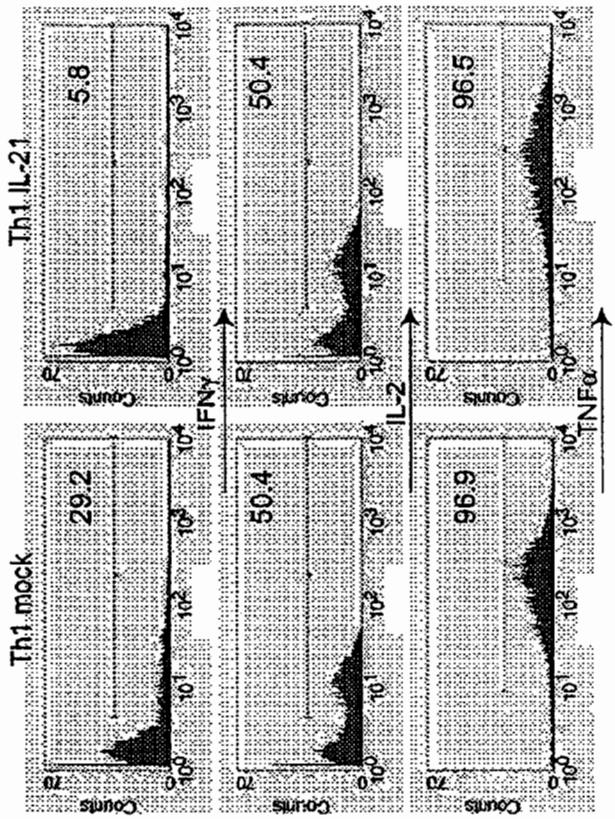
FIGS. 2A & 2B


A.
mock
IL-21
Th2
Th1
neutral
IL-4
IFNγ
0.6
9.7
0.1
25.2
0.4
0.9
0.2
4.0
33.5
0.1
31.4
0.1

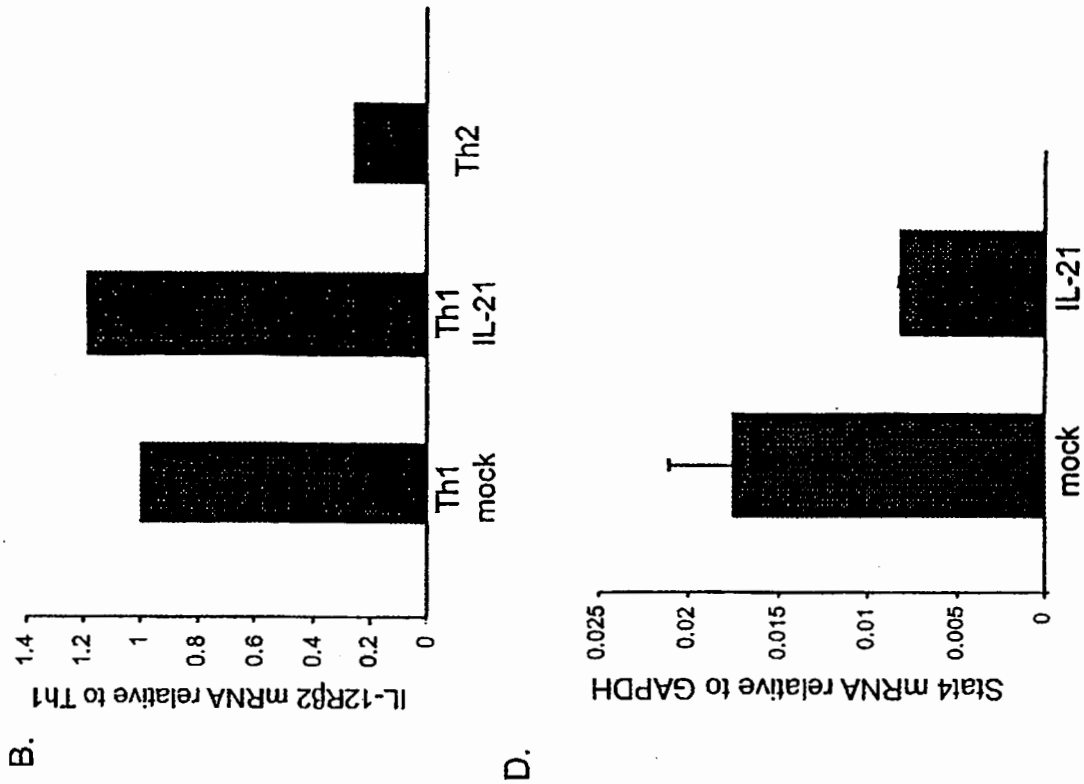

B.
IFNγ ng/ml
80
70
60
50
40
30
20
10
0
mock
IL-21
mock
IL-21
neutral
Th1

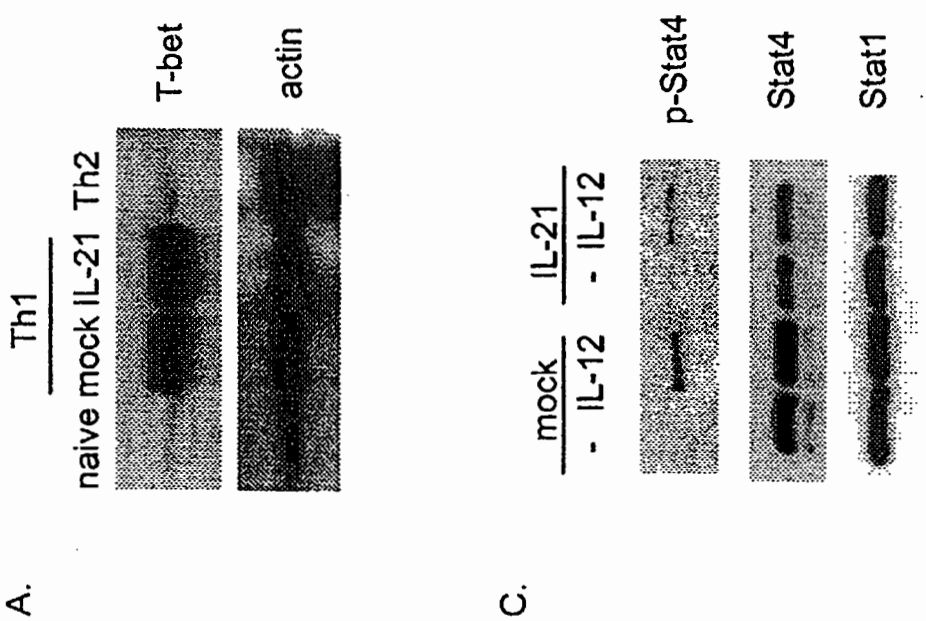
FIGS. 3A-5C


A.
Th1 mock Day 0
50.1
Th1 IL-21 Day 0
14.3
Th1 mock Day 5
67.3
Th1 IL-21 Day 5
68.4
IL-4
IFNγ
B.
Wildtype Th1 mock
70.9
Wildtype Th1 IL-21
10.8
Stat6-/- Th1 mock
68.5
Stat6-/- Th1 IL-21
8.0
IL-4
IFNγ


C.
Th1 mock
29.2
50.4
96.9
Th1 IL-21
5.8
50.4
96.5
IFNγ
IL-2
TNFα
Counts

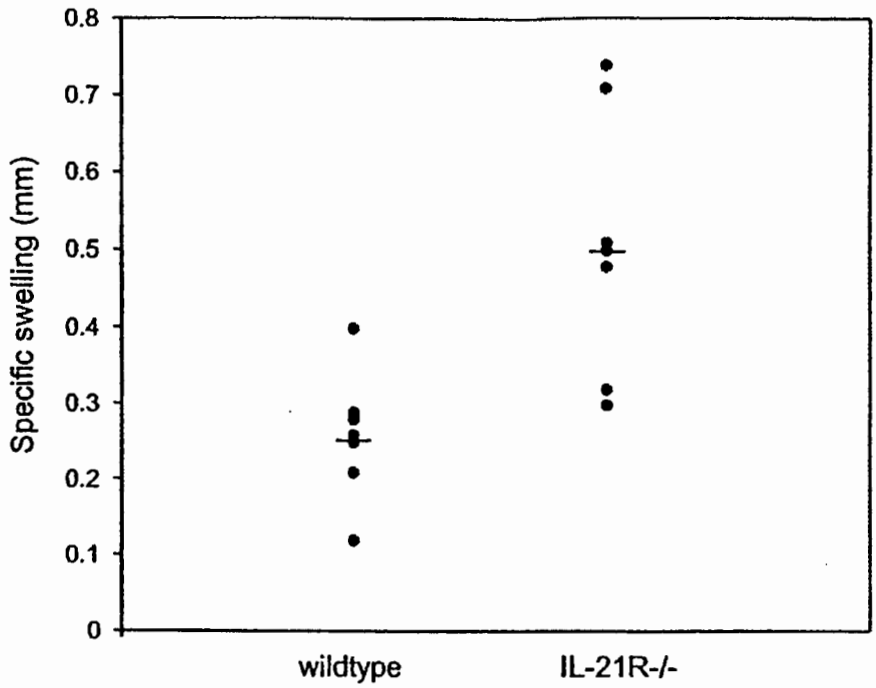
FIGS. 4A-4D


B.
IL-12Rβ2 mRNA relative to Th1
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Th1 mock
Th1 IL-21
Th2
D.
Stat4 mRNA relative to GAPDH
0.025
0.02
0.015
0.01
0.005
0
mock
IL-21

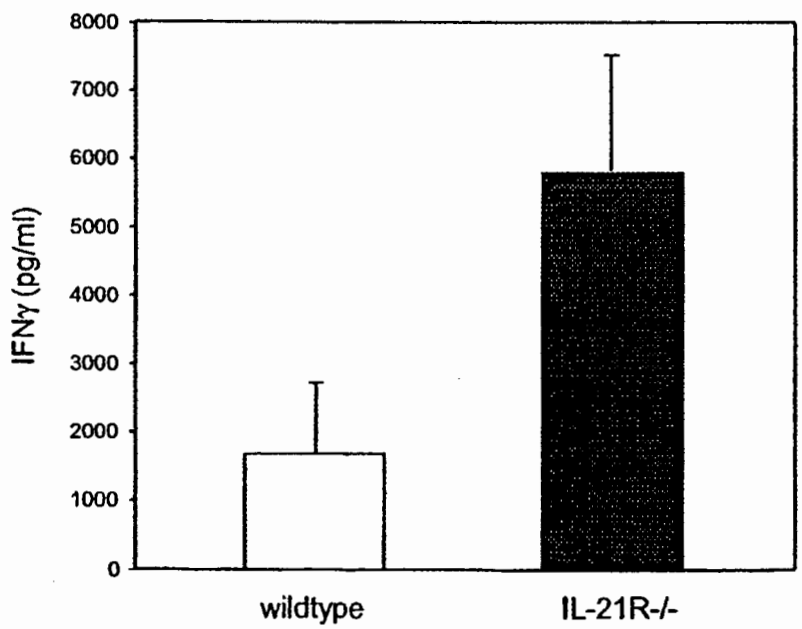

A.
Th1
naive mock IL-21 Th2
T-bet
actin
C.
mock
- IL-12
IL-21
- IL-12
p-Stat4
Stat4
Stat1

FIGS. 5A & 5B

A.


Specific swelling (mm)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
wildtype
IL-21R-/-

B.


IFNγ (pg/ml)
8000
7000
6000
5000
4000
3000
2000
1000
0
wildtype
IL-21R-/-