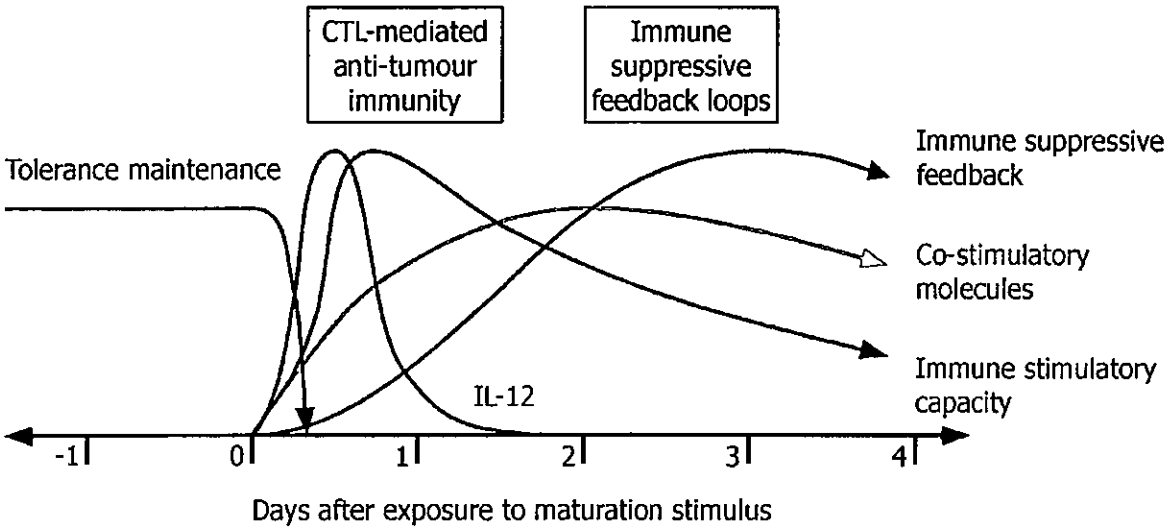

CTL-mediated anti-tumour immunity
Immune suppressive feedback loops
Tolerance maintenance
Immune suppressive feedback
Co-stimulatory molecules
Immune stimulatory capacity
IL-12
-1
0
1
2
3
4
Days after exposure to maturation stimulus

Fig. 1

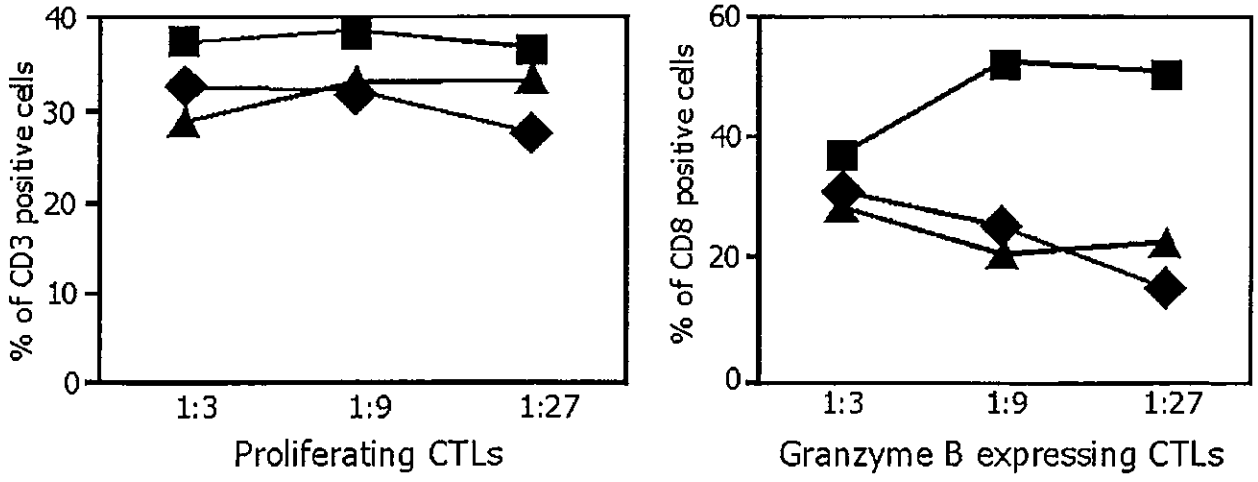

% of CD3 positive cells
40
30
20
10
0
1:3
1:9
1:27
Proliferating CTLs
% of CD8 positive cells
60
40
20
0
1:3
1:9
1:27
Granzyme B expressing CTLs

Fig. 5

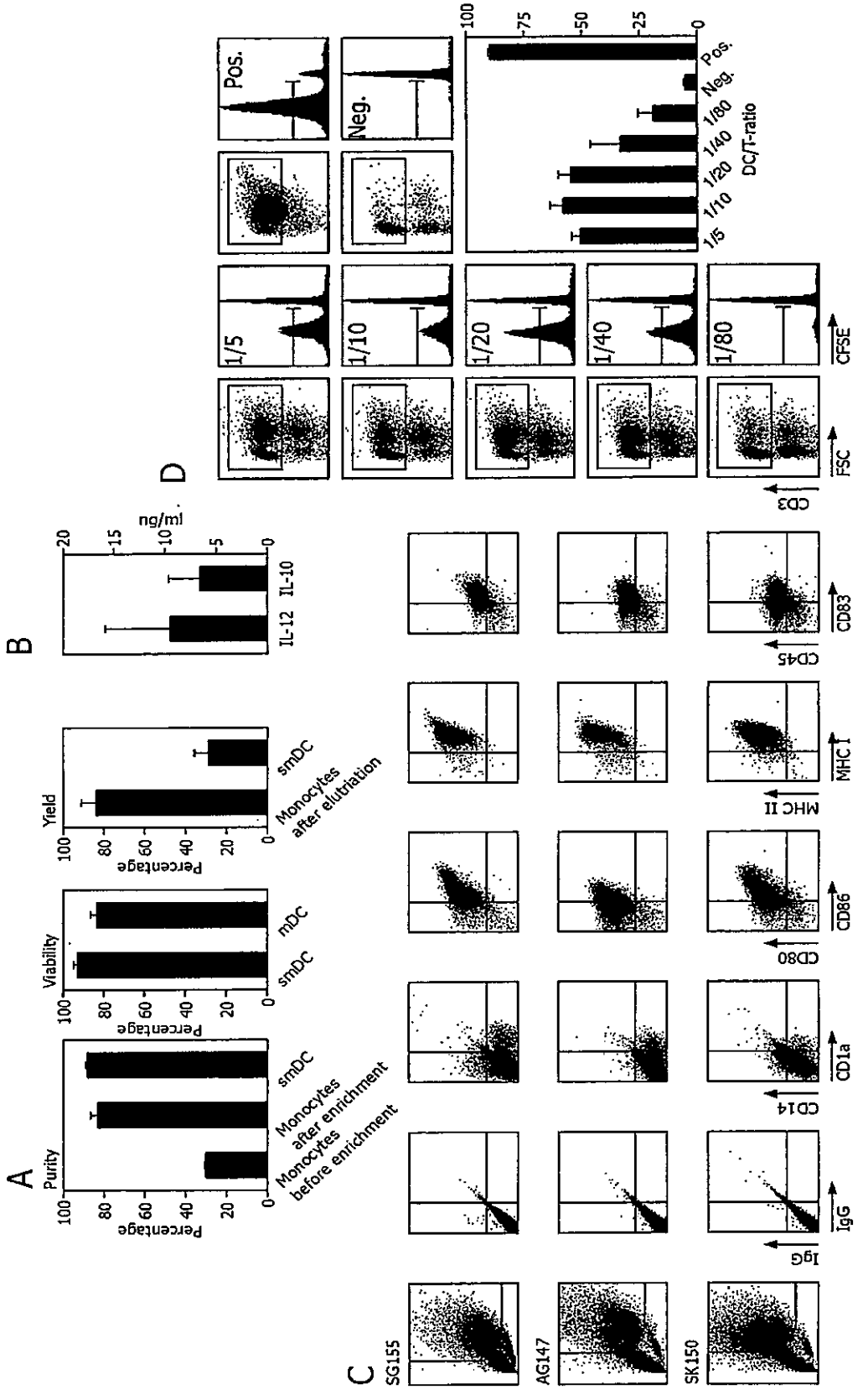

A
Purity
Viability
Yield
Percentage
Monocytes before enrichment
Monocytes after enrichment
smDC
mDC
Monocytes after elutriation
B
ng/ml
IL-12
IL-10
C
SG155
AG147
SK150
IgG
CD14
CD1a
CD80
CD86
MHC II
MHC I
CD45
CD83
CD3
FSC
CFSE
D
Pos.
Neg.
1/5
1/10
1/20
1/40
1/80
DC/T-ratio

Fig. 2

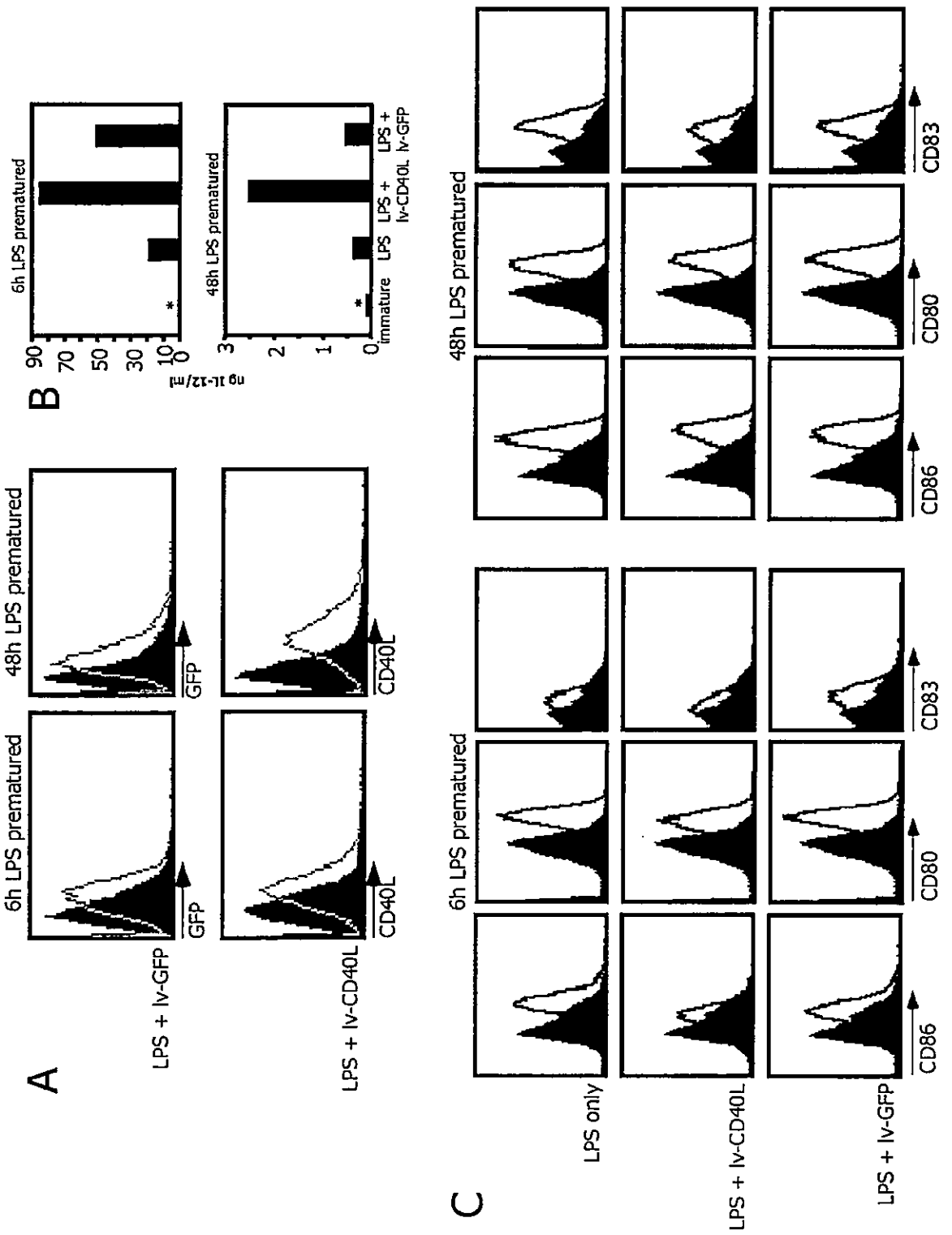

A
6h LPS prematured
48h LPS prematured
LPS + lv-GFP
LPS + lv-CD40L
GFP
CD40L
B
6h LPS prematured
48h LPS prematured
ng IL-12/ml
90
70
50
30
10
0
3
2
1
0
immature
LPS
LPS + lv-CD40L
LPS + lv-GFP
C
6h LPS prematured
48h LPS prematured
LPS only
LPS + lv-CD40L
LPS + lv-GFP
CD86
CD80
CD83

Fig. 3

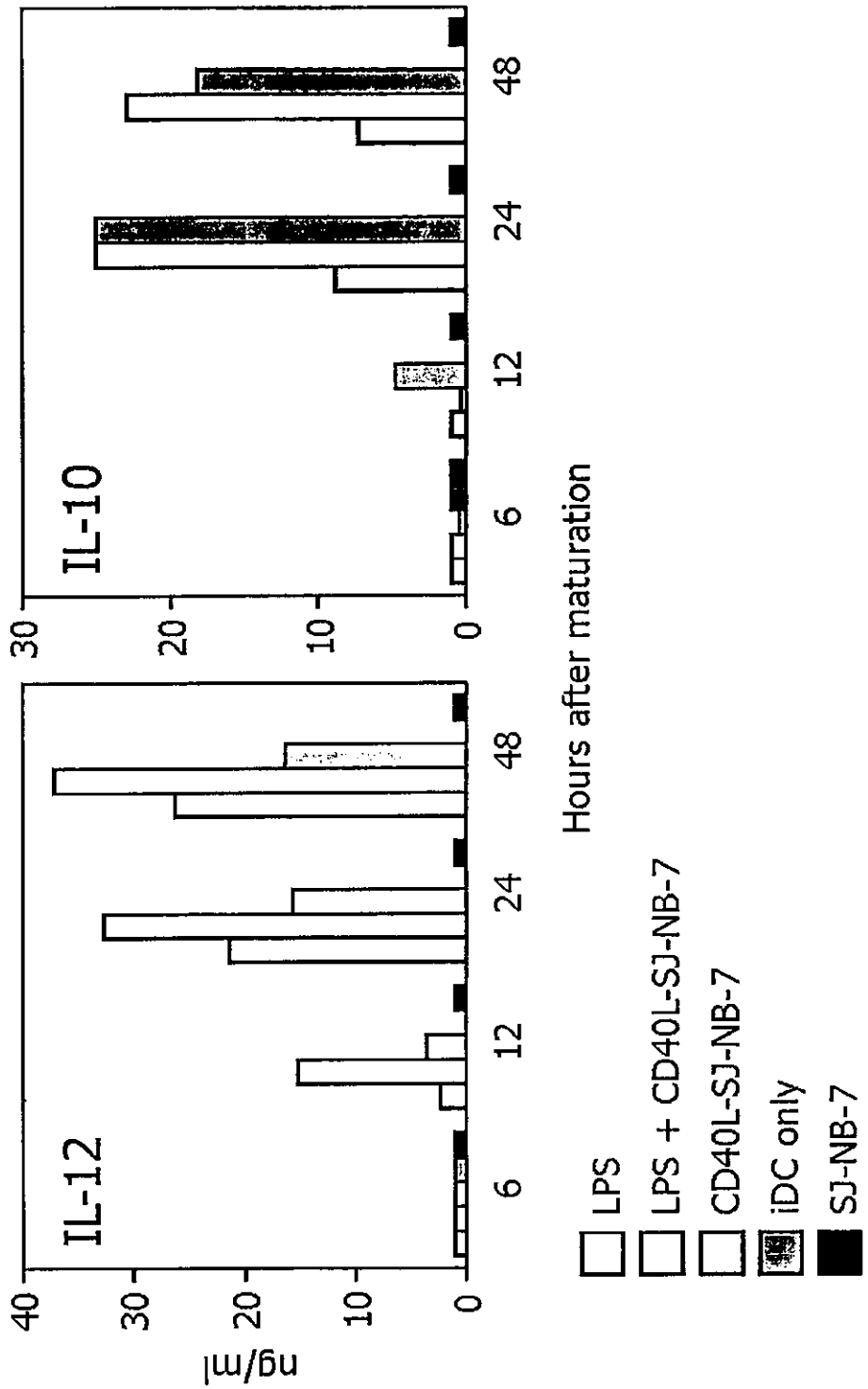

IL-12
IL-10
ng/ml
0
10
20
30
40
6
12
24
48
Hours after maturation
LPS
LPS + CD40L-SJ-NB-7
CD40L-SJ-NB-7
iDC only
SJ-NB-7

Fig. 4

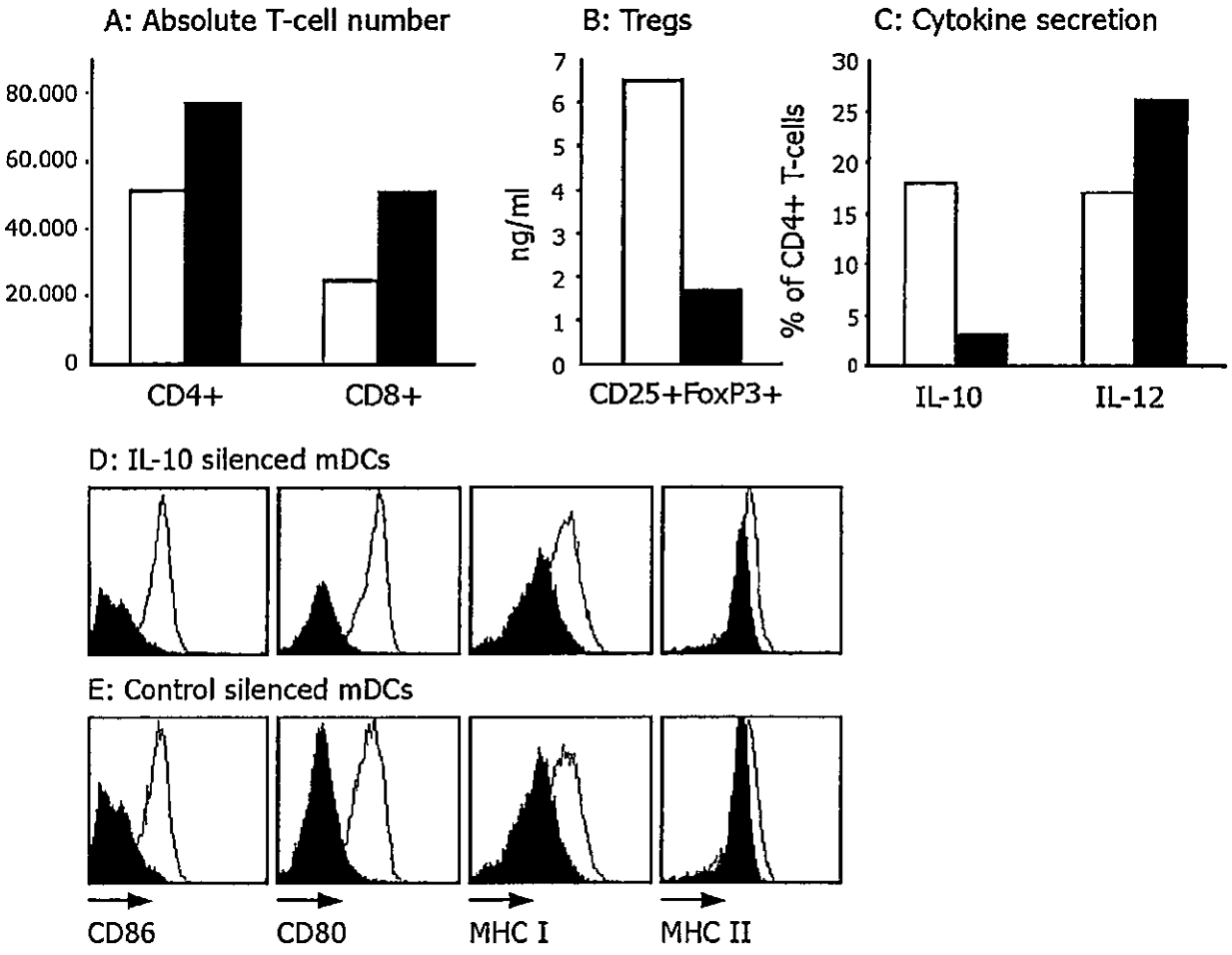

A: Absolute T-cell number
80.000
60.000
40.000
20.000
0
CD4+
CD8+
B: Tregs
ng/ml
7
6
5
4
3
2
1
0
CD25+FoxP3+
C: Cytokine secretion
% of CD4+ T-cells
30
25
20
15
10
5
0
IL-10
IL-12
D: IL-10 silenced mDCs
E: Control silenced mDCs
CD86
CD80
MHC I
MHC II

Fig. 6

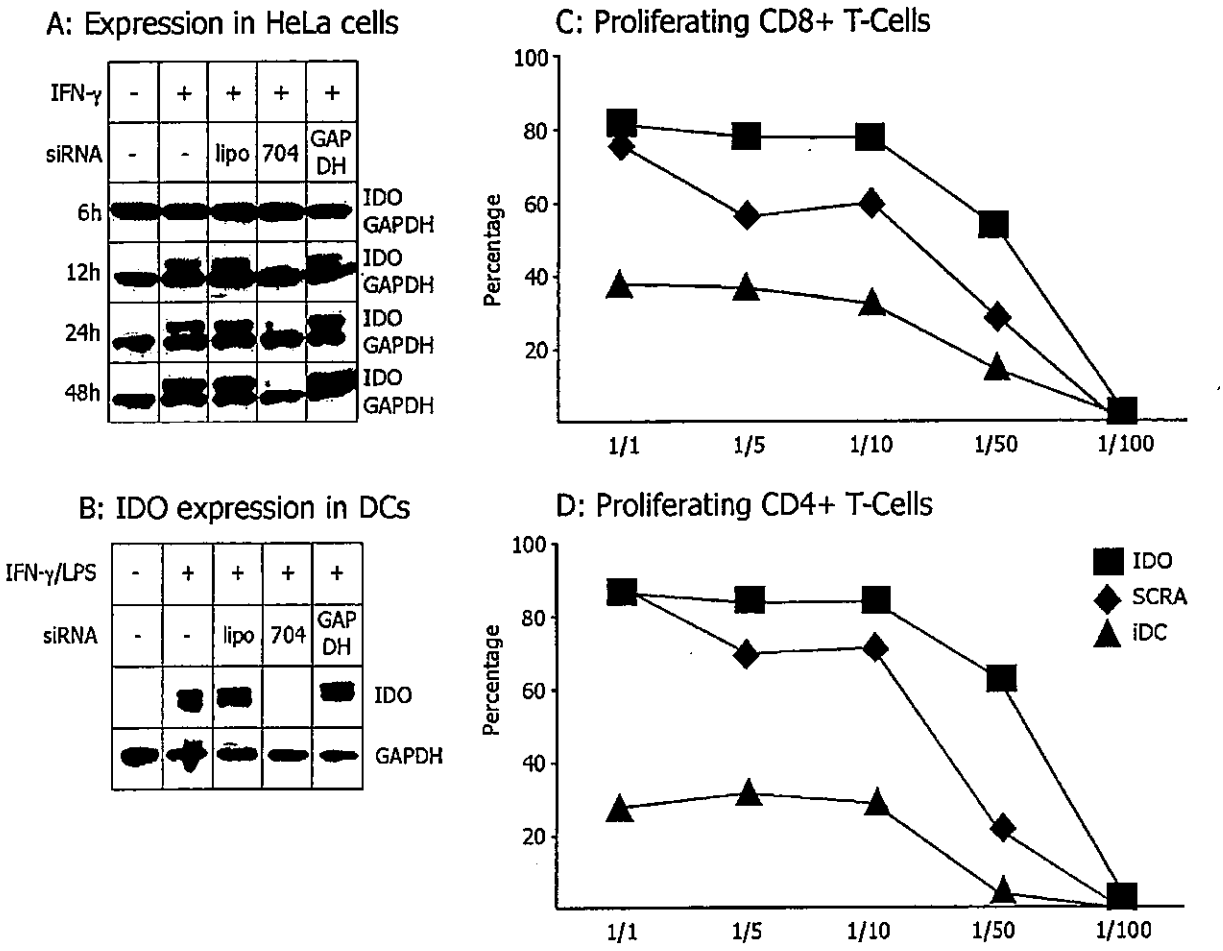

A: Expression in HeLa cells
IFN-γ
siRNA
lipo
704
GAP DH
6h
12h
24h
48h
IDO
GAPDH
B: IDO expression in DCs
IFN-γ/LPS
C: Proliferating CD8+ T-Cells
Percentage
100
80
60
40
20
1/1
1/5
1/10
1/50
1/100
D: Proliferating CD4+ T-Cells
IDO
SCRA
iDC

Fig. 7

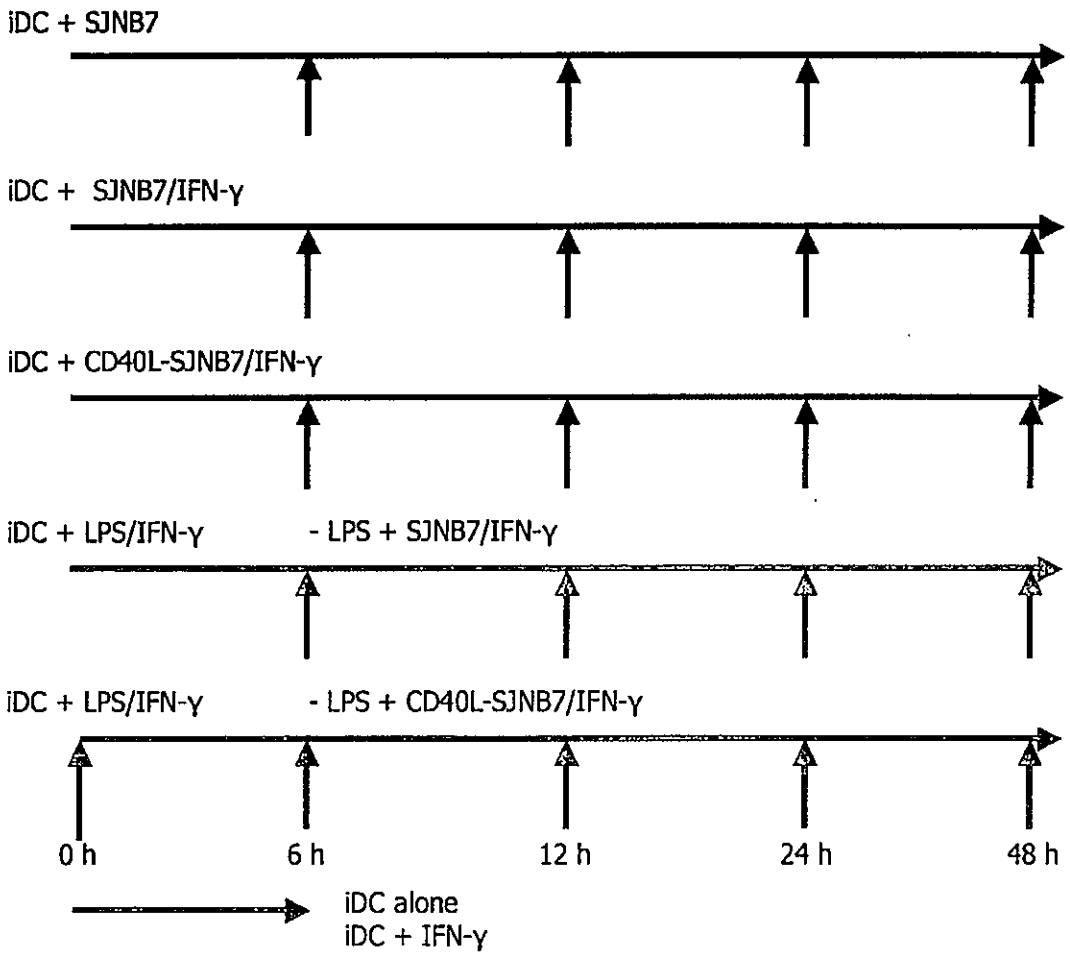

iDC + SJNB7
iDC + SJNB7/IFN-γ
iDC + CD40L-SJNB7/IFN-γ
iDC + LPS/IFN-γ
- LPS + SJNB7/IFN-γ
iDC + LPS/IFN-γ
- LPS + CD40L-SJNB7/IFN-γ
0 h
6 h
12 h
24 h
48 h
iDC alone
iDC + IFN-γ

Fig. 8

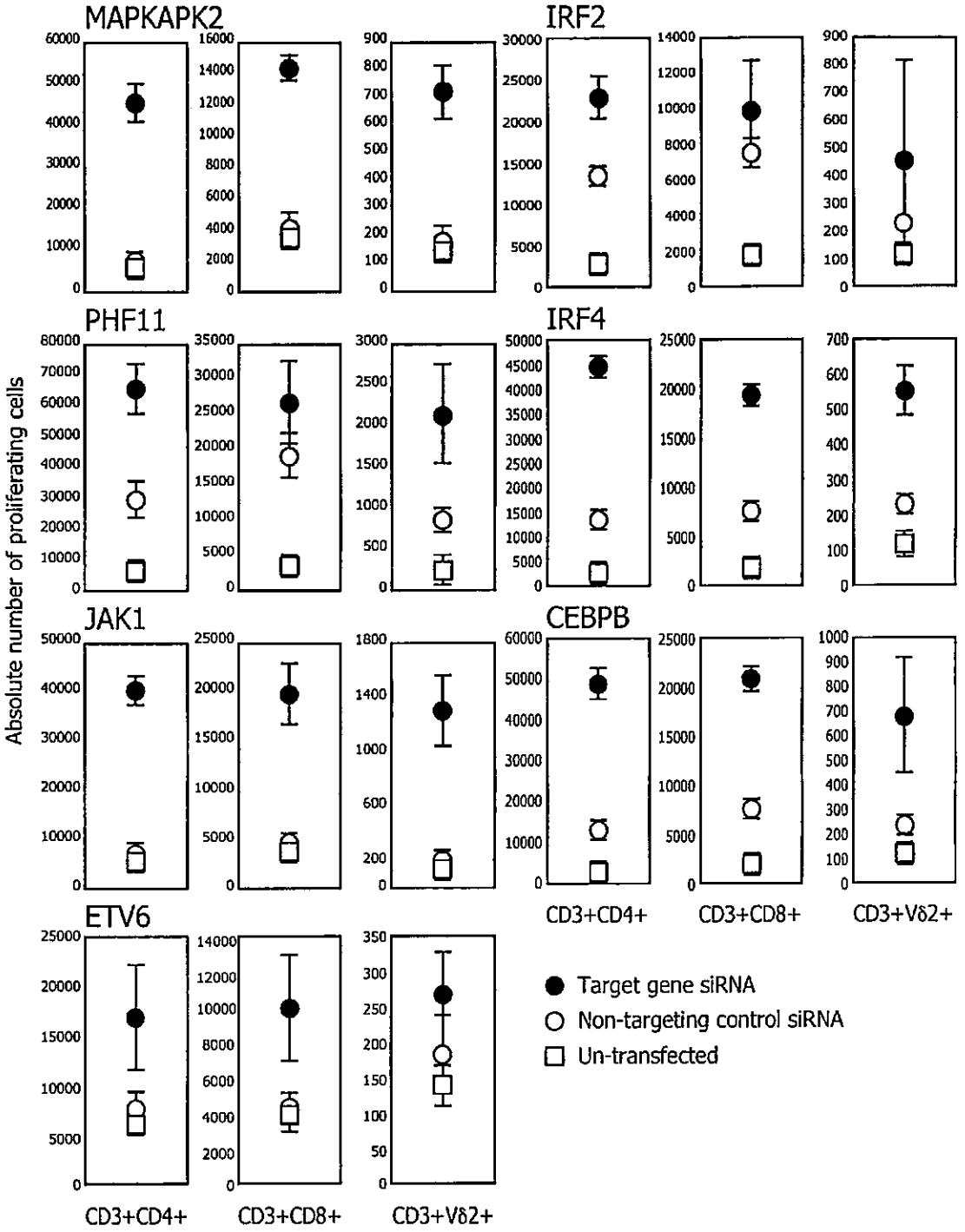

MAPKAPK2
IRF2
PHF11
IRF4
JAK1
CEBPB
ETV6
Absolute number of proliferating cells
CD3+CD4+
CD3+CD8+
CD3+Vδ2+
Target gene siRNA
Non-targeting control siRNA
Un-transfected

Fig. 9a

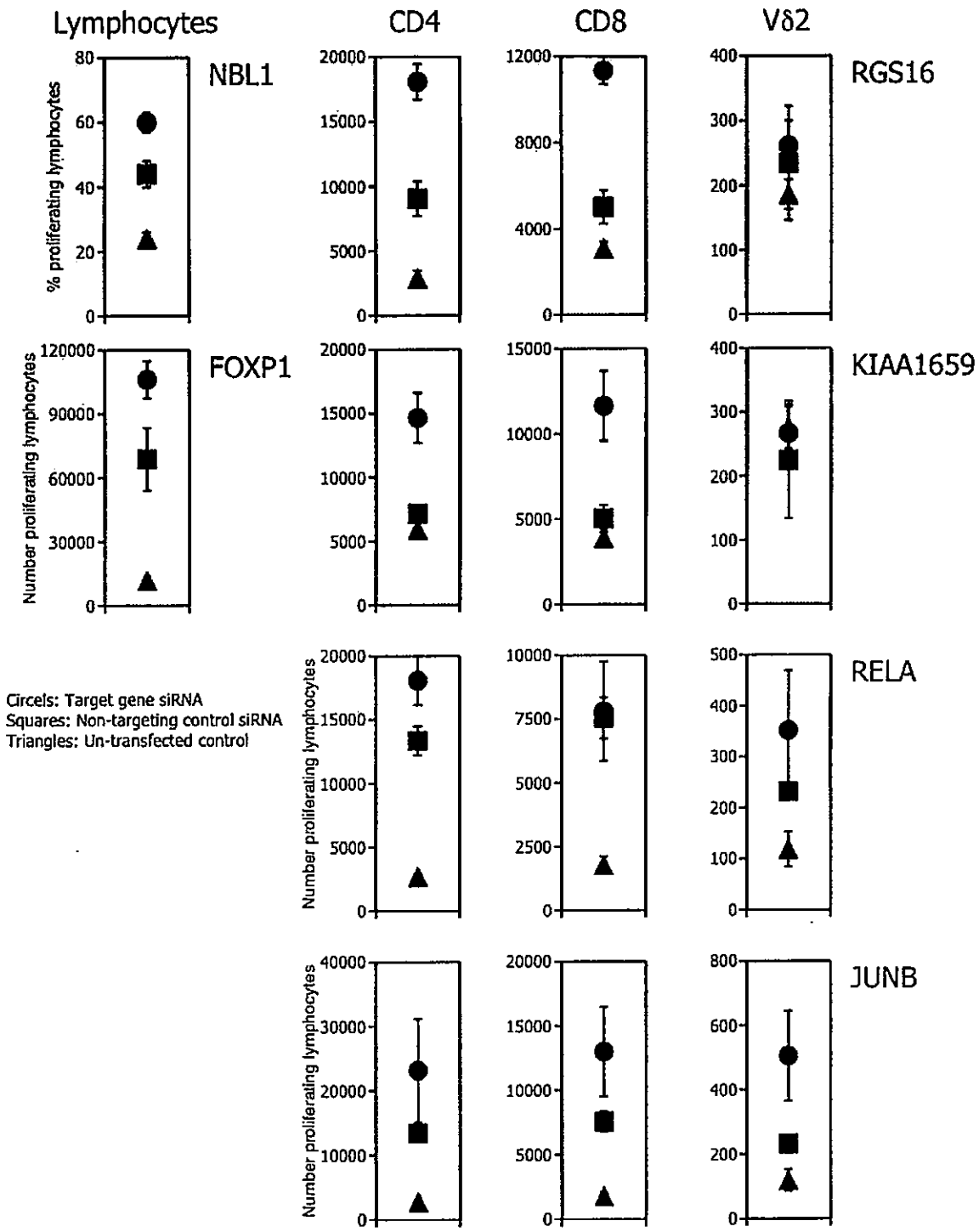

Lymphocytes
CD4
CD8
Vδ2
NBL1
RGS16
FOXP1
KIAA1659
RELA
JUNB
% proliferating lymphocytes
Number proliferating lymphocytes
Circels: Target gene siRNA
Squares: Non-targeting control siRNA
Triangles: Un-transfected control

Fig. 9b