Figures

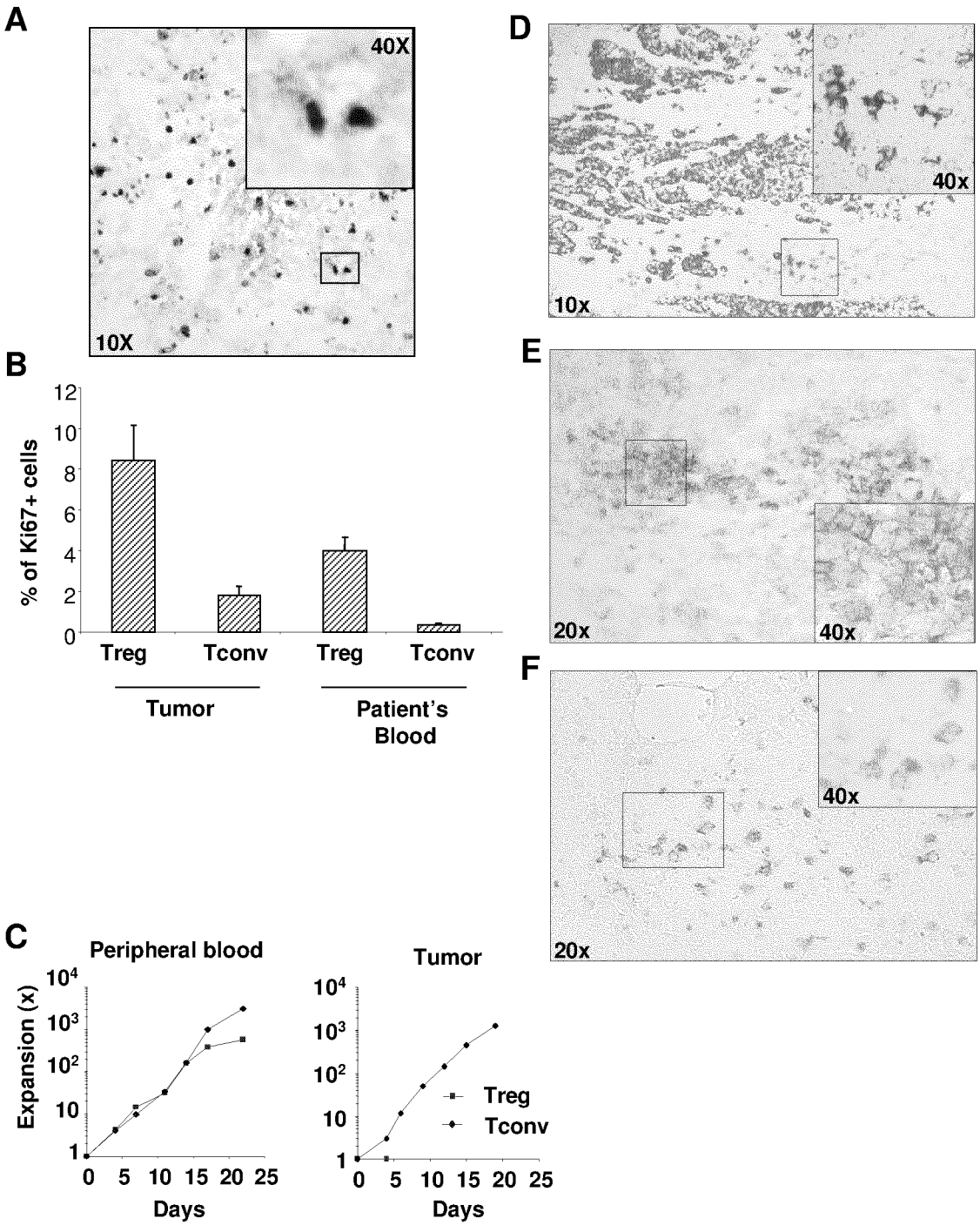


Figure 1

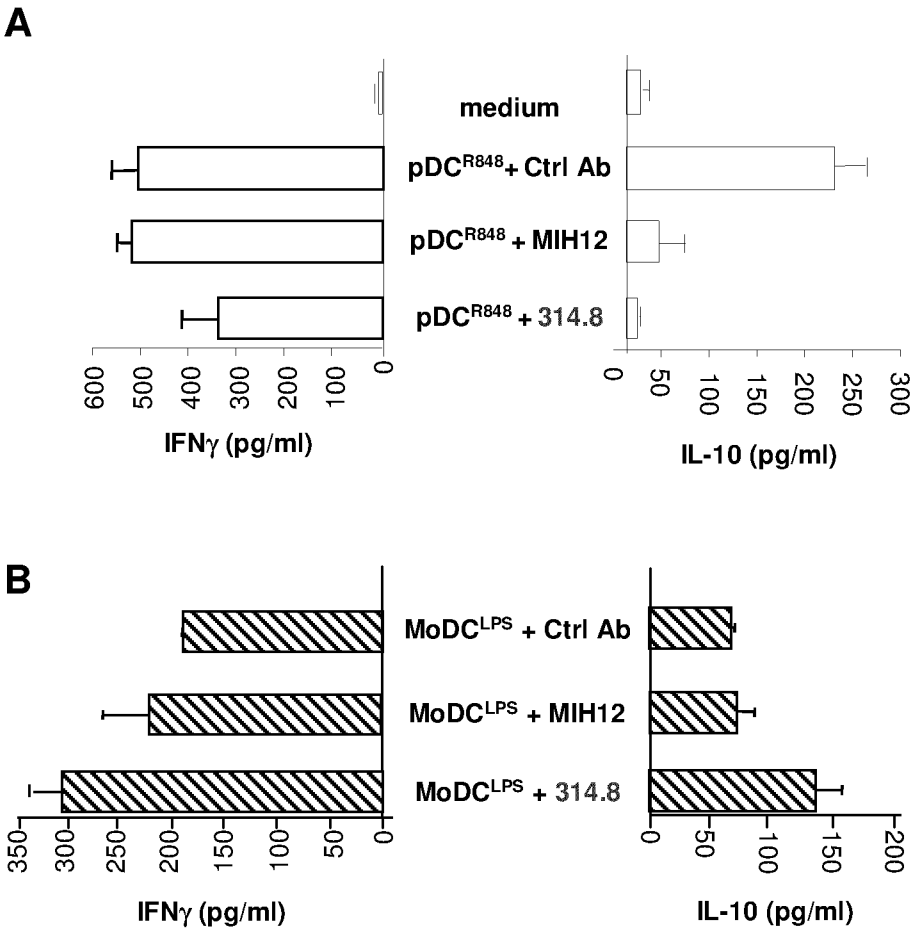

A
medium
pDC^{R848}+ Ctrl Ab
pDC^{R848} + MIH12
pDC^{R848} + 314.8
600
500
400
300
200
100
0
IFNγ (pg/ml)
0
50
100
150
200
250
300
IL-10 (pg/ml)
B
MoDC^{LPS} + Ctrl Ab
MoDC^{LPS} + MIH12
MoDC^{LPS} + 314.8
350
300
250
200
150
100
50
0
IFNγ (pg/ml)
0
50
100
150
200
IL-10 (pg/ml)

Figure 2

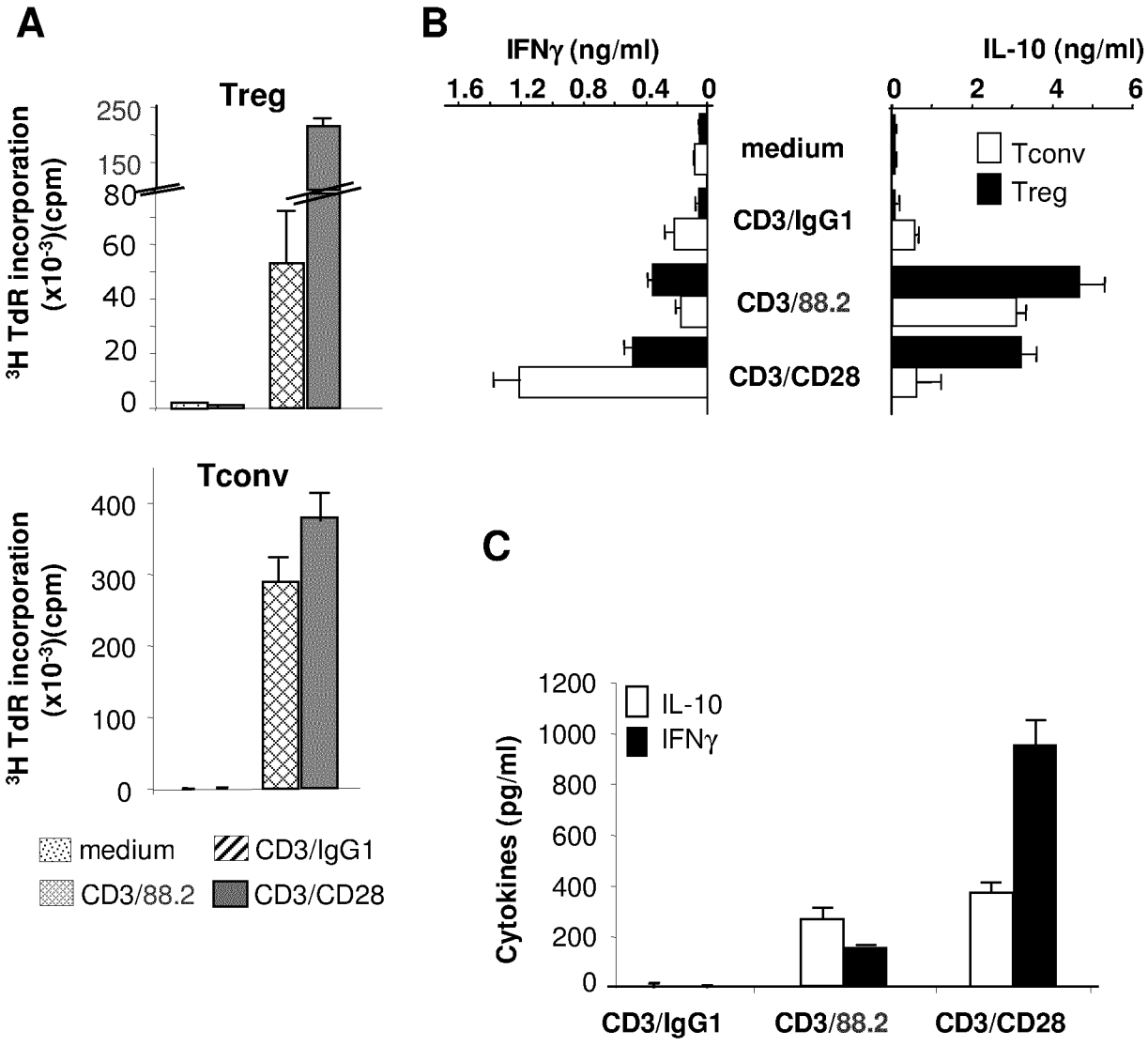

A
Treg
250
150
80
60
40
20
0
3H TdR incorporation (x10-3)(cpm)
Tconv
400
300
200
100
0
3H TdR incorporation (x10-3)(cpm)
medium
CD3/IgG1
CD3/88.2
CD3/CD28
B
IFNγ (ng/ml)
1.6 1.2 0.8 0.4 0
IL-10 (ng/ml)
0 2 4 6
medium
CD3/IgG1
CD3/88.2
CD3/CD28
Tconv
Treg
C
1200
1000
800
600
400
200
0
Cytokines (pg/ml)
IL-10
IFNγ
CD3/IgG1
CD3/88.2
CD3/CD28

Figure 3

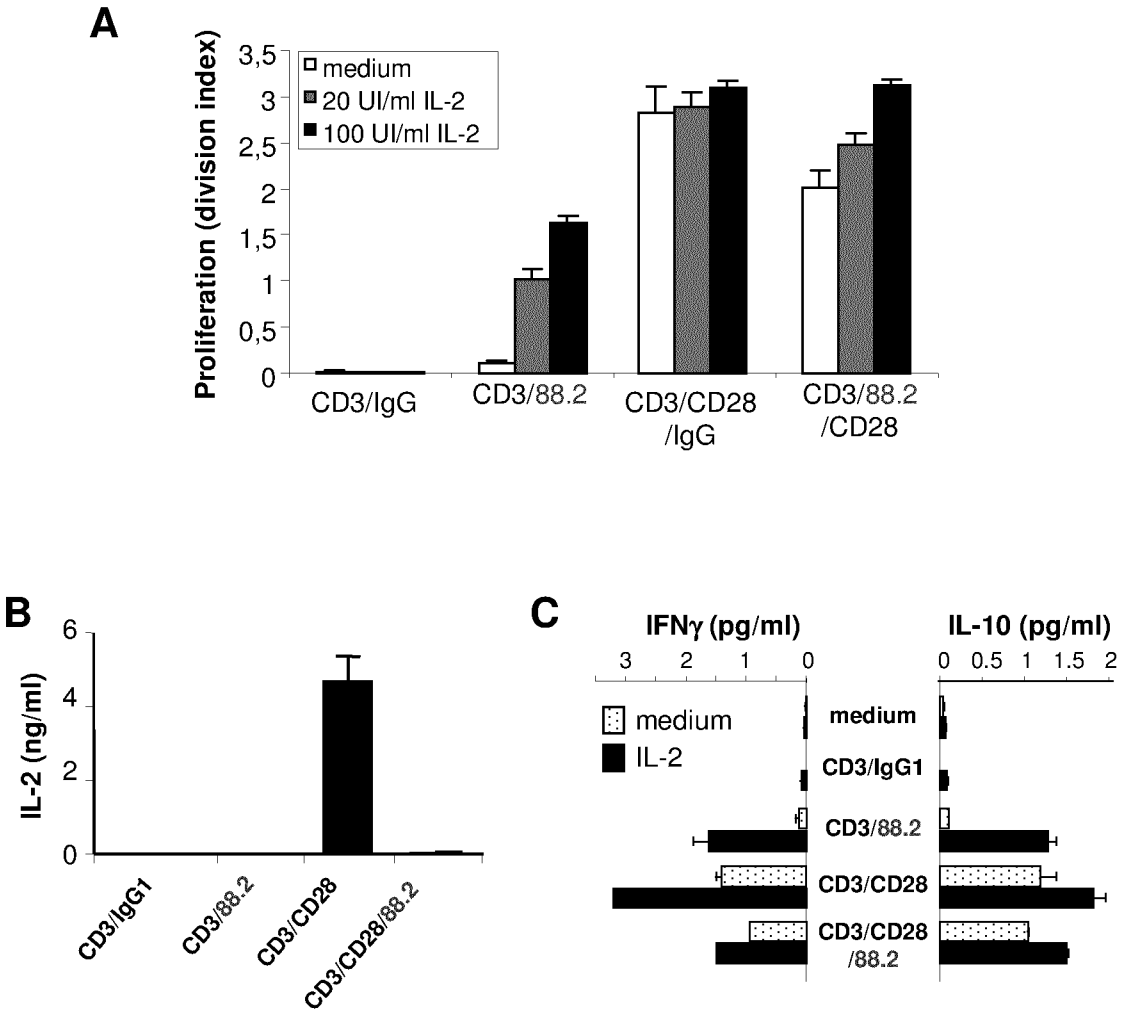

A
Proliferation (division index)
3,5
3
2,5
2
1,5
1
0,5
0
medium
20 UI/ml IL-2
100 UI/ml IL-2
CD3/IgG
CD3/88.2
CD3/CD28 /IgG
CD3/88.2 /CD28
B
IL-2 (ng/ml)
6
4
2
0
CD3/IgG1
CD3/88.2
CD3/CD28
CD3/CD28/88.2
C
IFNγ (pg/ml)
3 2 1 0
IL-10 (pg/ml)
0 0.5 1 1.5 2
medium
IL-2
medium
CD3/IgG1
CD3/88.2
CD3/CD28
CD3/CD28 /88.2

Figure 4

Figure 5

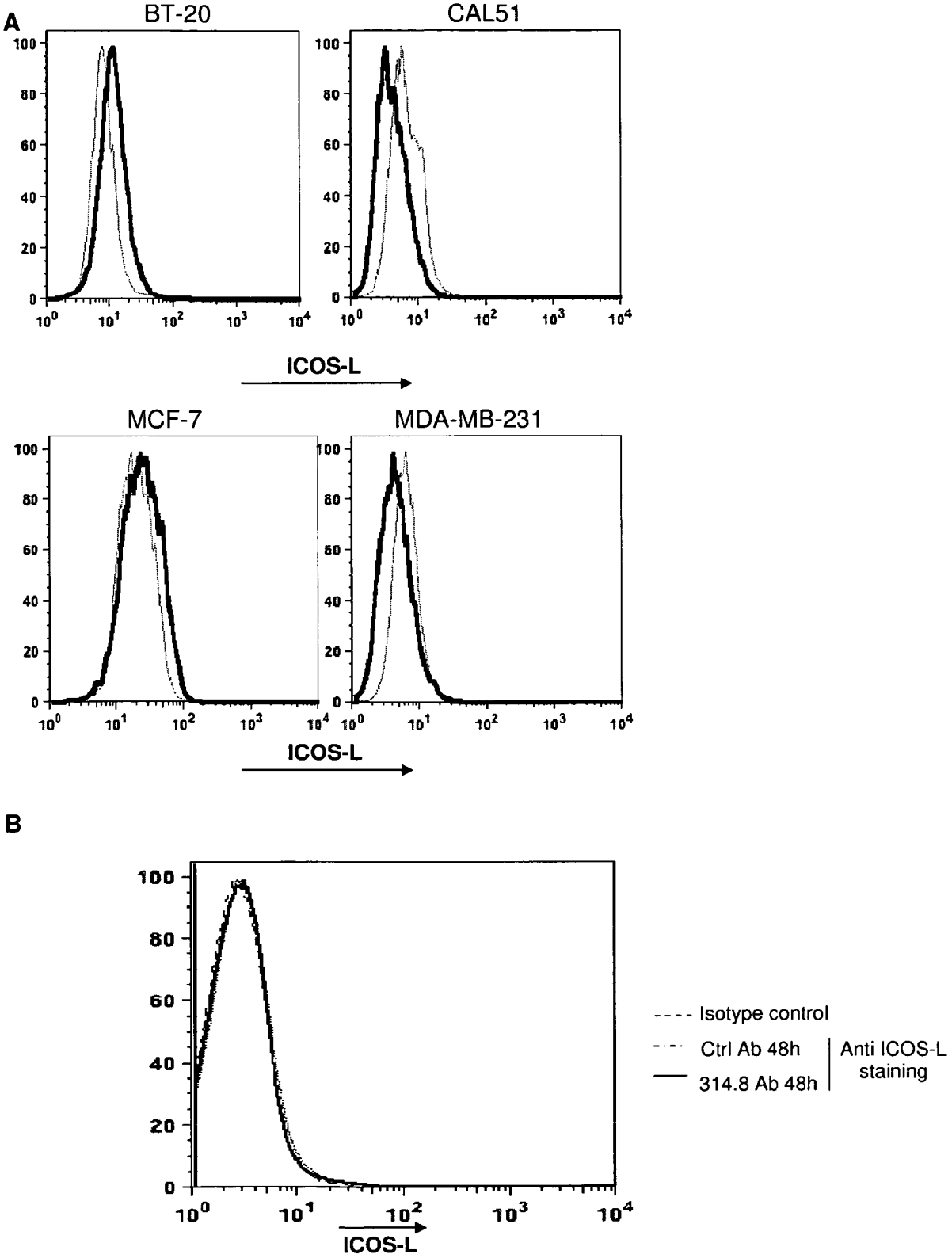

A
BT-20
CAL51
MCF-7
MDA-MB-231
ICOS-L
ICOS-L
B
ICOS-L
Isotype control
Ctrl Ab 48h
314.8 Ab 48h
Anti ICOS-L staining

Figure 6

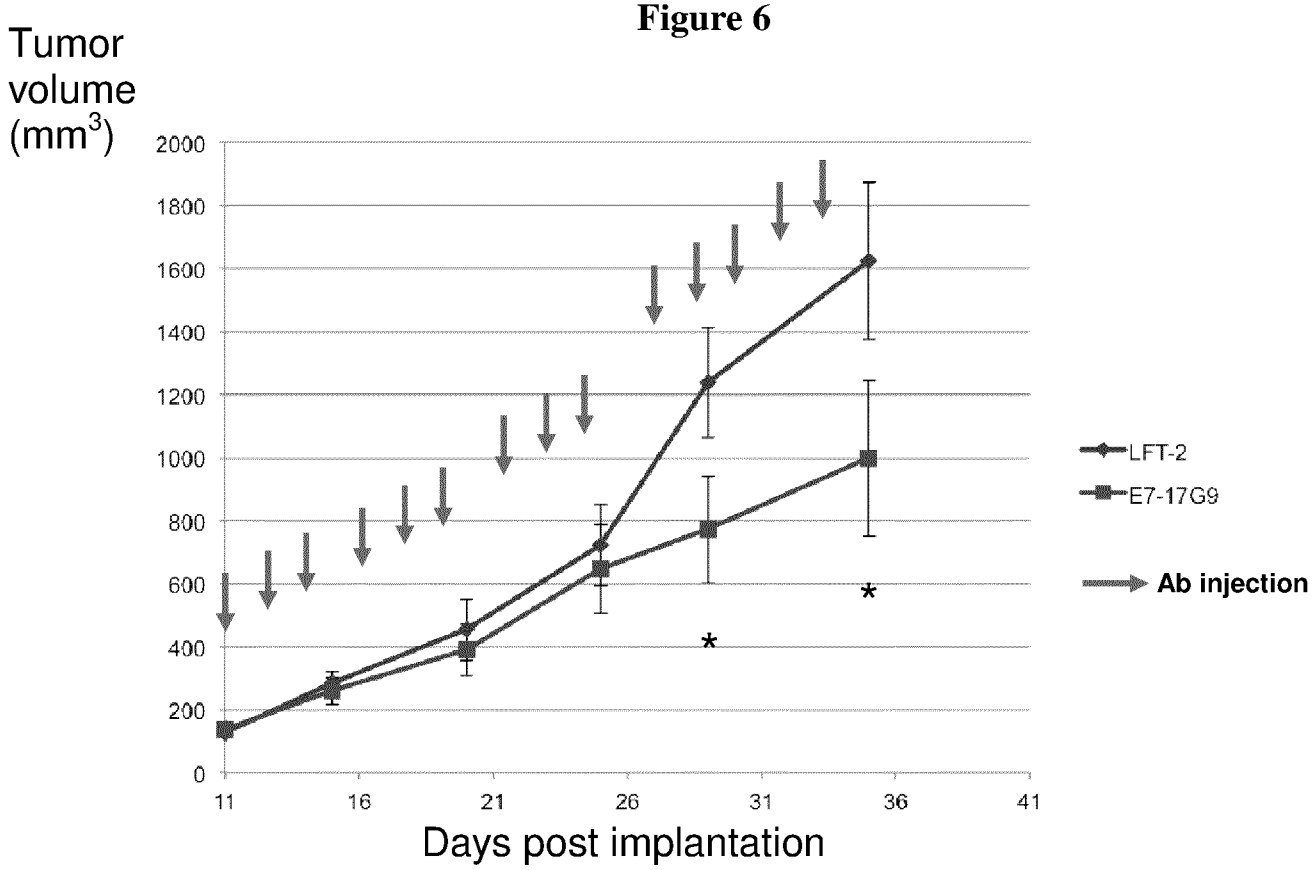
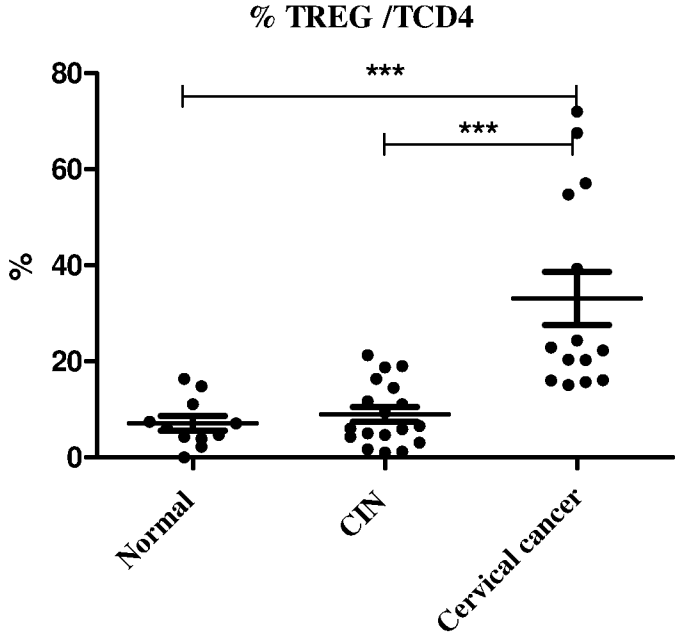

Tumor volume (mm3)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
11
16
21
26
31
36
41
Days post implantation
LFT-2
E7-17G9
Ab injection
*
*

Figure 7

A


% TREG /TCD4
***
***
80
60
40
20
0
%
Normal
CIN
Cervical cancer

B

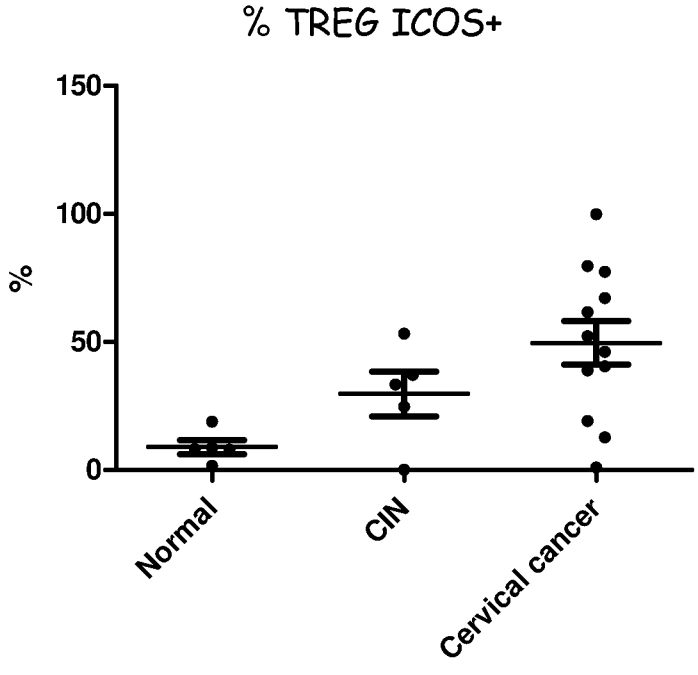

% TREG ICOS+
150
100
50
0
%
Normal
CIN
Cervical cancer

Figure 8

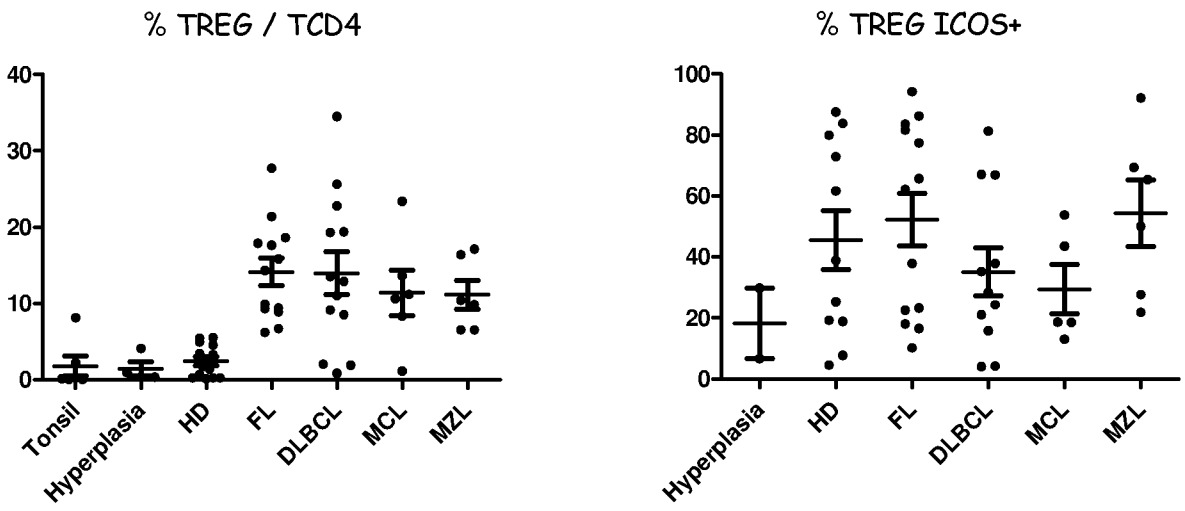
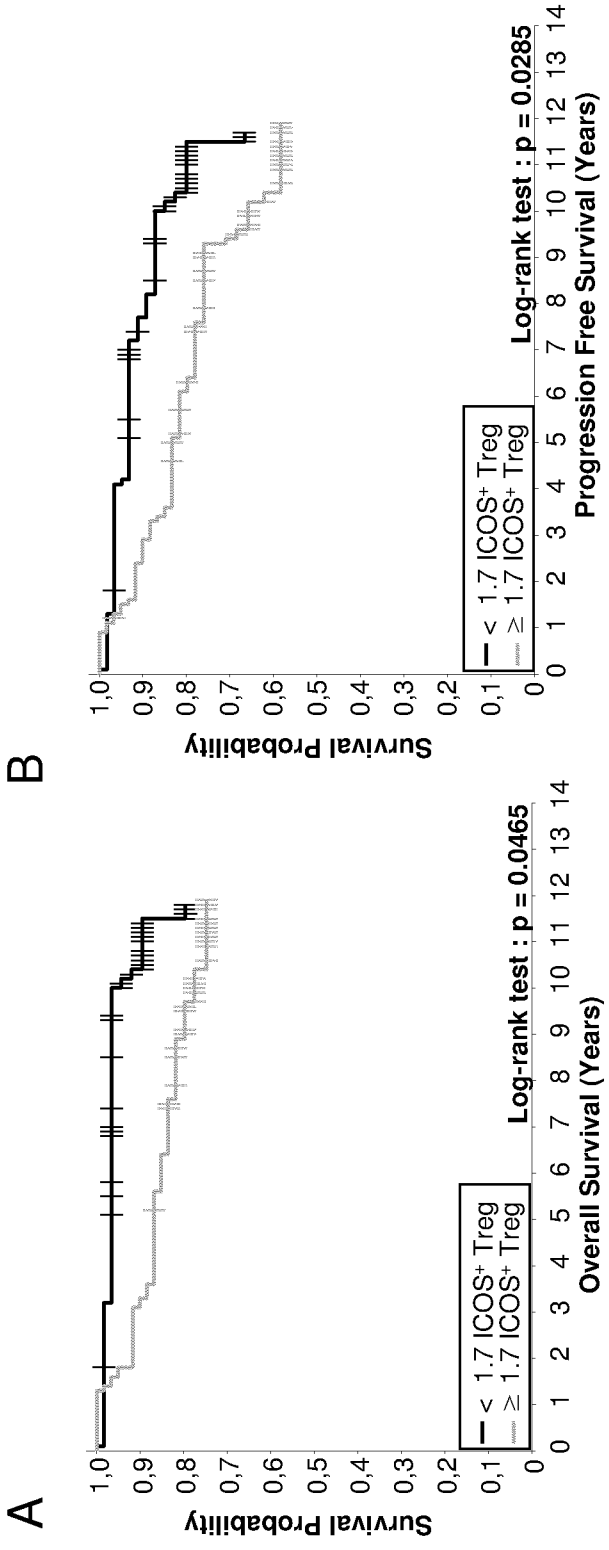

% TREG / TCD4
40
30
20
10
0
Tonsil
Hyperplasia
HD
FL
DLBCL
MCL
MZL
% TREG ICOS+
100
80
60
40
20
0
Hyperplasia
HD
FL
DLBCL
MCL
MZL

Figure 9


A
Survival Probability
1,0
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Overall Survival (Years)
< 1.7 ICOS+ Treg
≥ 1.7 ICOS+ Treg
Log-rank test : p = 0.0465
B
Survival Probability
1,0
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Progression Free Survival (Years)
< 1.7 ICOS+ Treg
≥ 1.7 ICOS+ Treg
Log-rank test : p = 0.0285