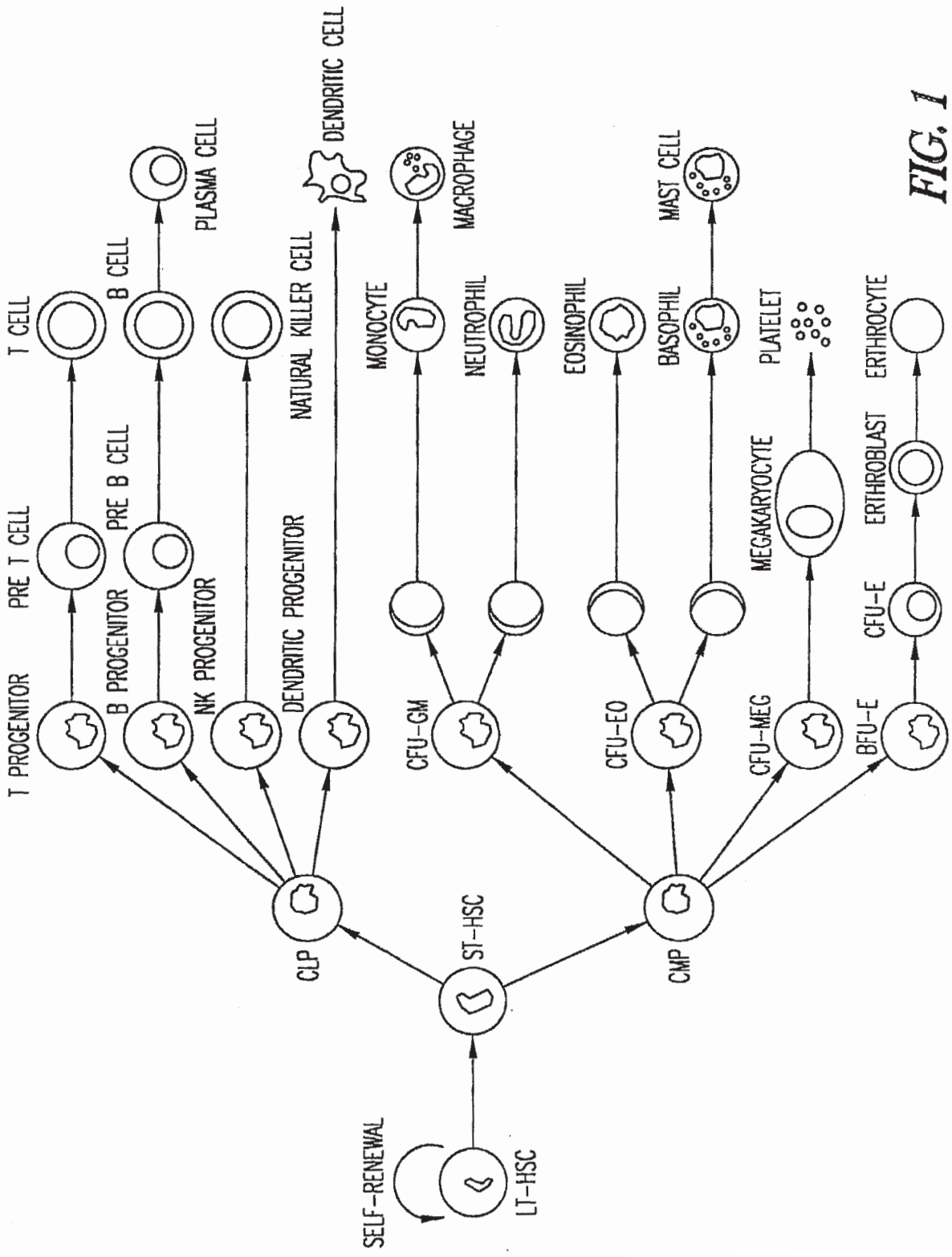

SELF-RENEWAL
LT-HSC
ST-HSC
CLP
CMP
T PROGENITOR
PRE T CELL
T CELL
B PROGENITOR
PRE B CELL
B CELL
PLASMA CELL
NK PROGENITOR
NATURAL KILLER CELL
DENDRITIC PROGENITOR
DENDRITIC CELL
CFU-GM
MONOCYTE
MACROPHAGE
NEUTROPHIL
CFU-EO
EOSINOPHIL
BASOPHIL
MAST CELL
CFU-MEG
MEGAKARYOCYTE
PLATELET
BFU-E
CFU-E
ERTHROBLAST
ERTHROCYTE

FIG. 1

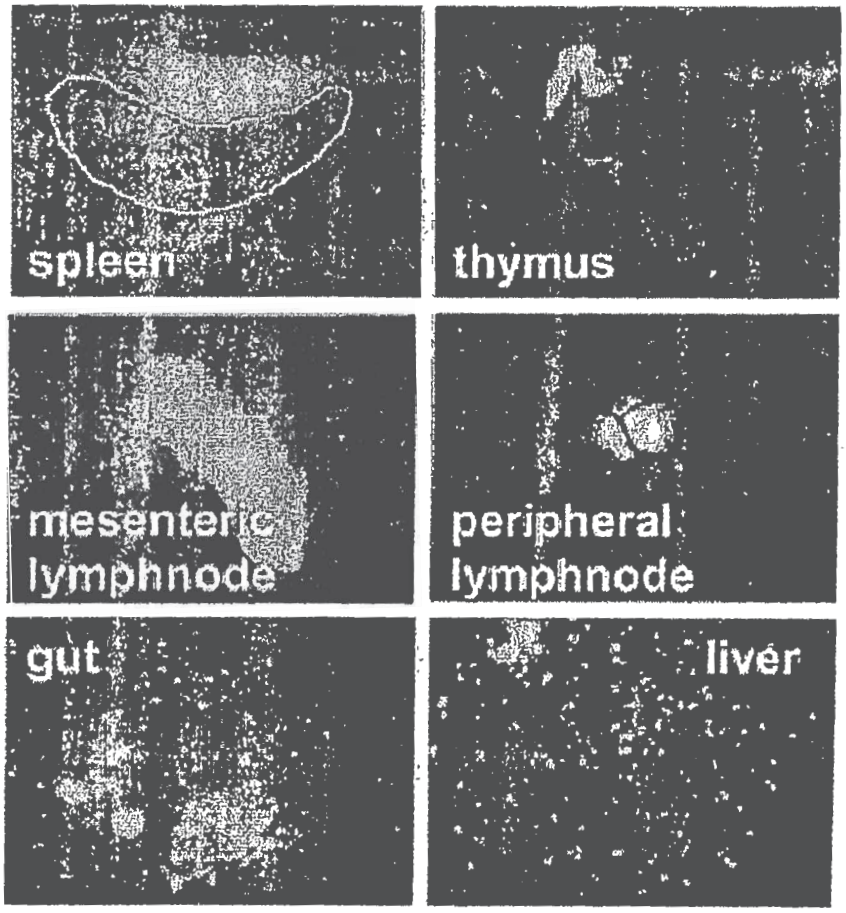

spleen
thymus
mesenteric lymphnode
peripheral lymphnode
gut
liver

FIG. 2A

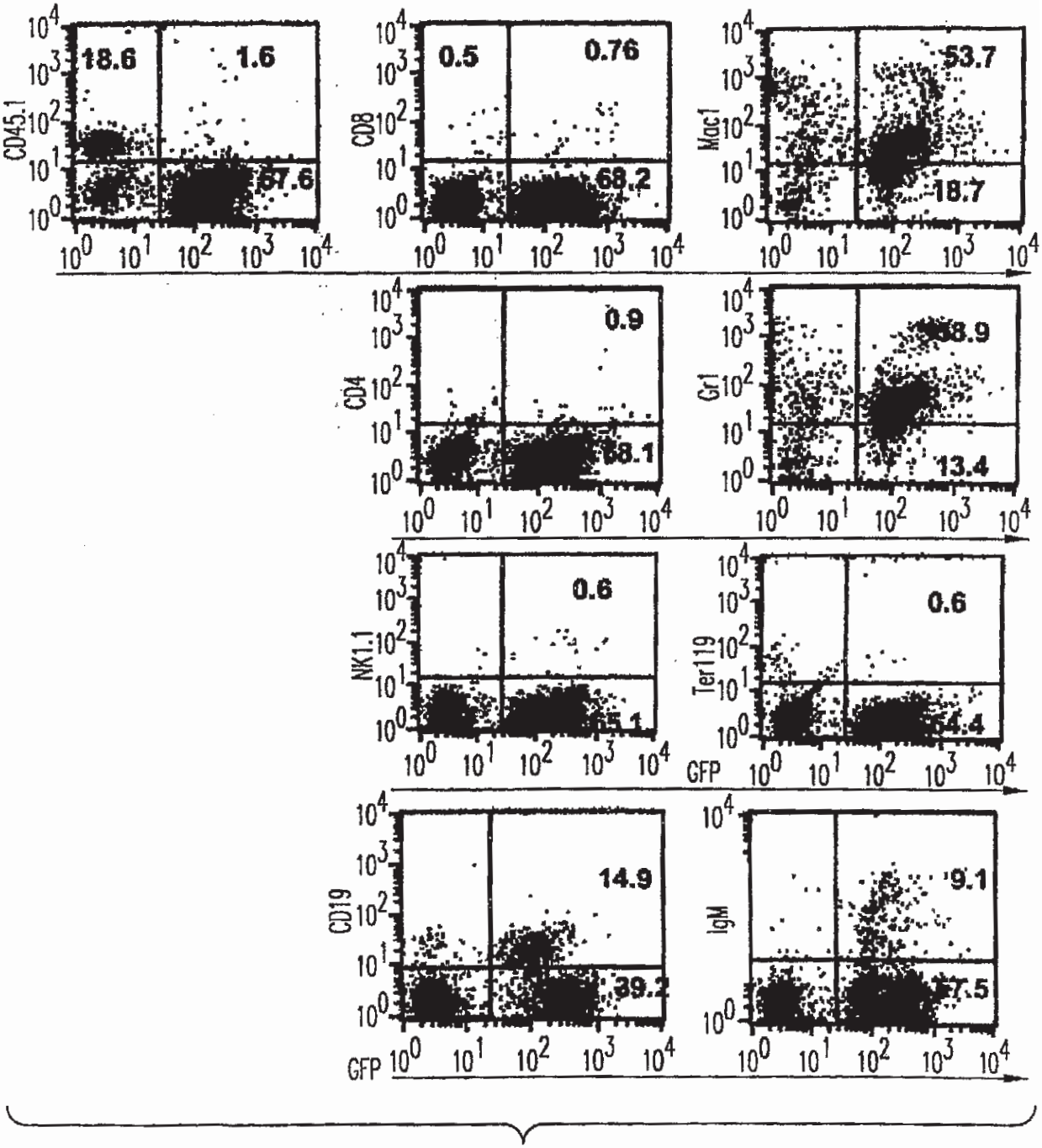

CD45.1
18.6
1.6
67.6
CD8
0.5
0.76
68.2
Mac1
53.7
18.7
CD4
0.9
68.1
Gr1
68.9
13.4
NK1.1
0.6
Ter119
0.6
4.4
GFP
CD19
14.9
39.2
GFP
IgM
9.1
7.5

FIG. 2B-1

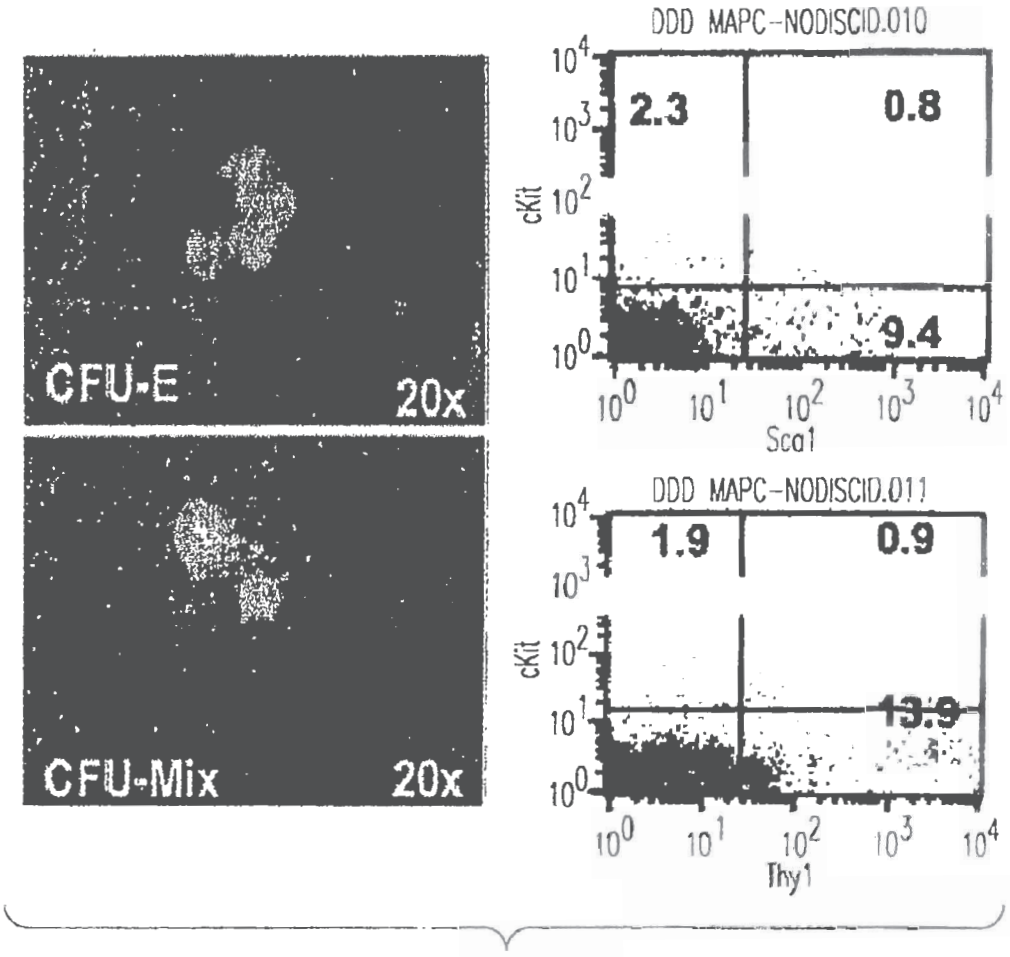

CFU-E
20x
CFU-Mix
20x
DDD MAPC-NODISCID.010
2.3
0.8
9.4
cKit
Sca1
DDD MAPC-NODISCID.011
1.9
0.9
13.9
cKit
Thy1

FIG. 2B-2

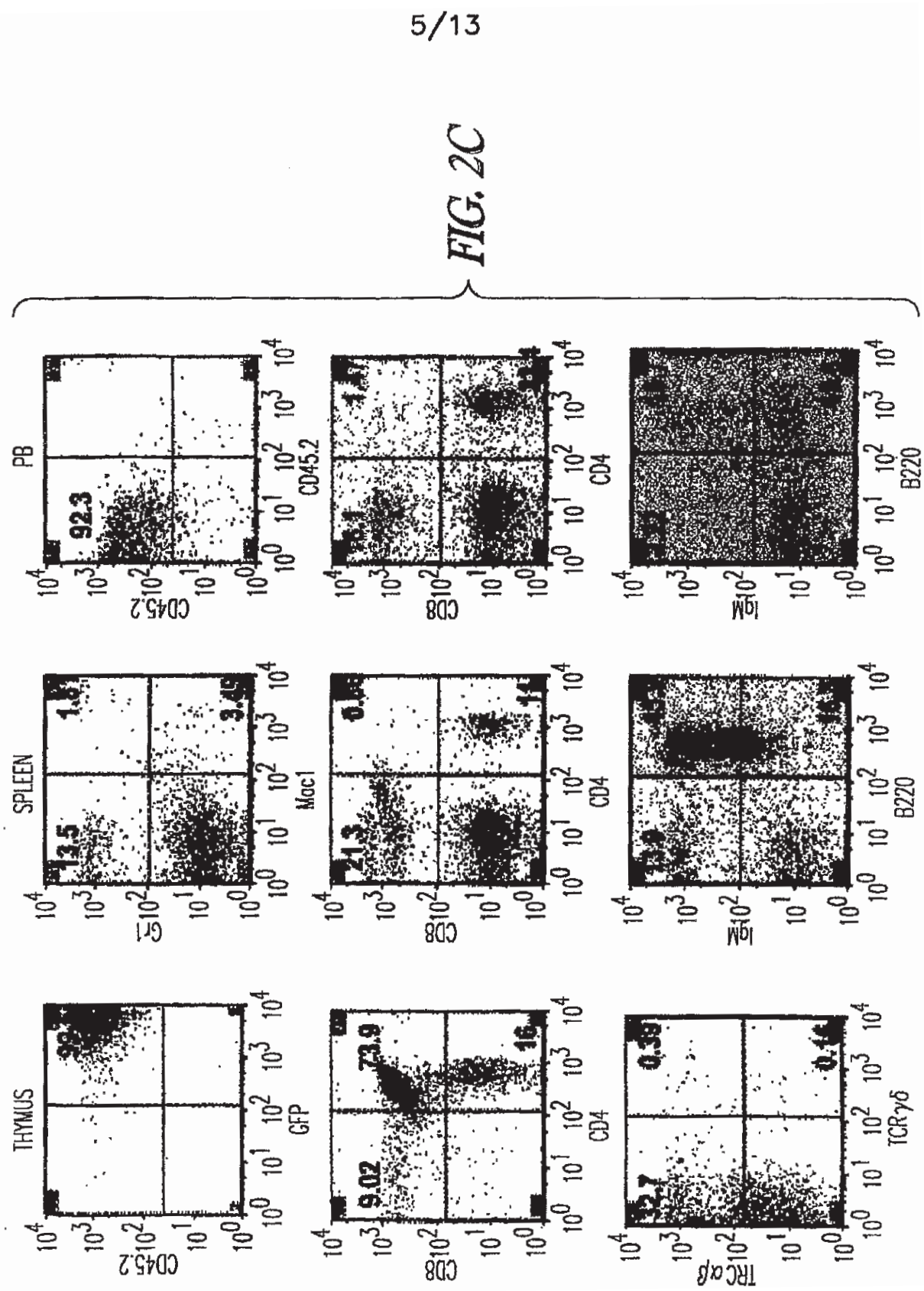

THYMUS
SPLEEN
PB
CD45.2
GFP
Gr1
Mac1
CD45.2
CD8
CD4
IgM
B220
TCRγδ
TCRαβ
9.02
73.9
13.5
92.3
21.3

FIG. 2C

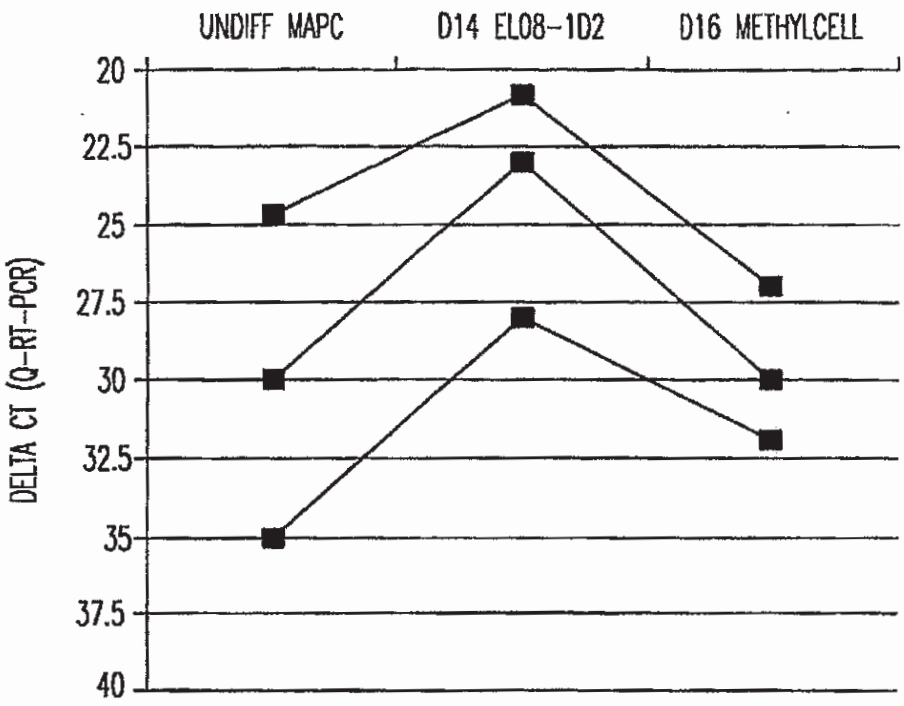

UNDIFF MAPC
D14 EL08-1D2
D16 METHYLCELL
DELTA CT (Q-RT-PCR)
20
22.5
25
27.5
30
32.5
35
37.5
40

FIG. 3A

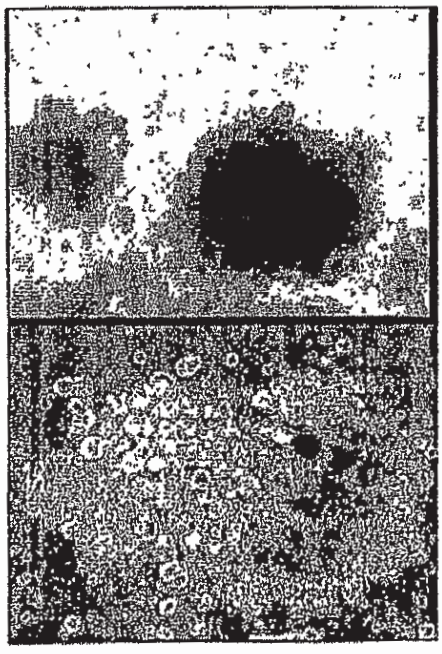


FIG. 3B

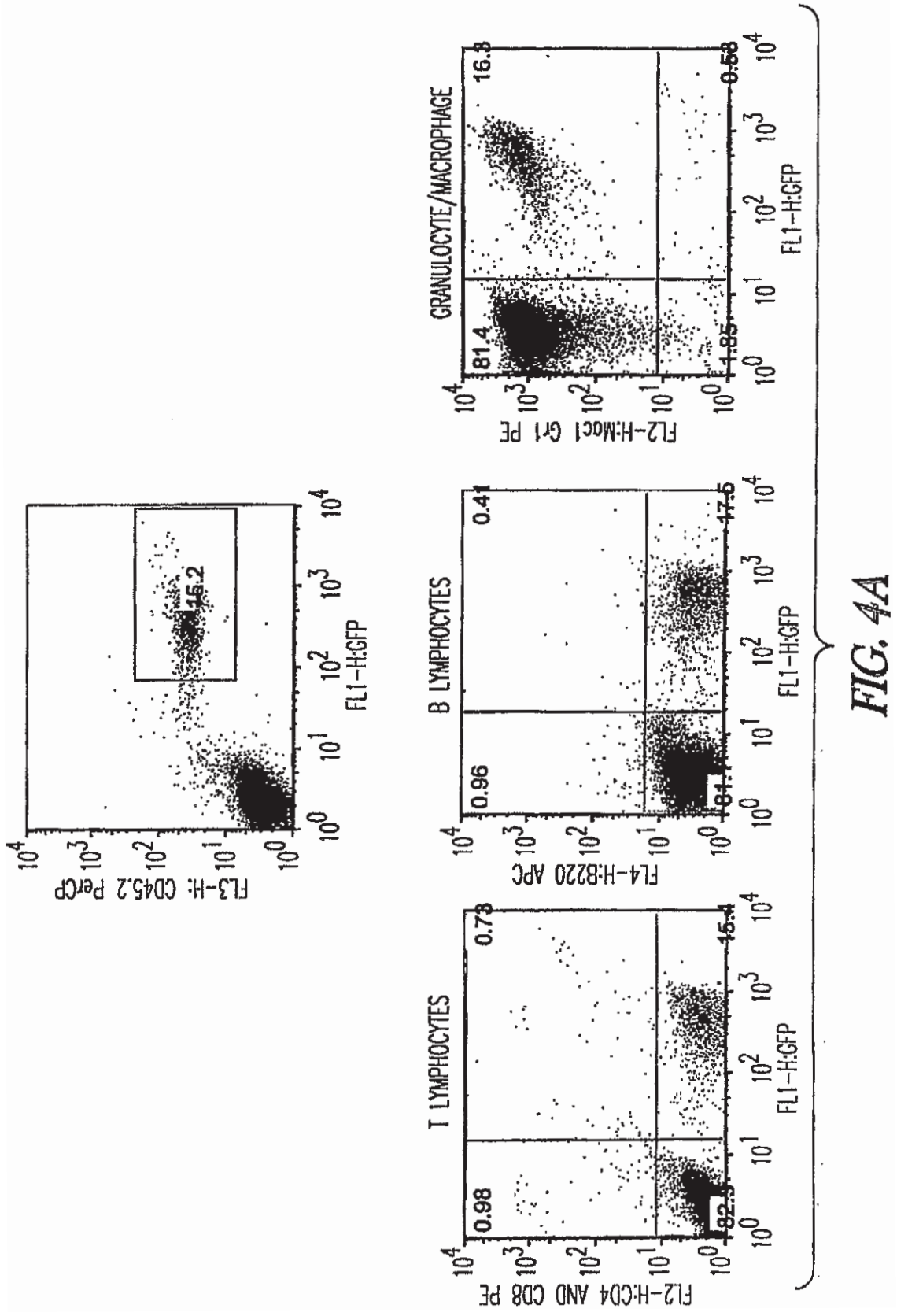

FL3-H: CD45.2 PerCP
FL1-H:GFP
15.2
T LYMPHOCYTES
FL2-H:CD4 AND CD8 PE
0.98
0.73
82.3
15.4
B LYMPHOCYTES
FL4-H:B220 APC
0.96
0.41
81.1
17.5
GRANULOCYTE/MACROPHAGE
FL2-H:Mac1 Gr1 PE
81.4
16.3
1.85
0.58

FIG. 4A

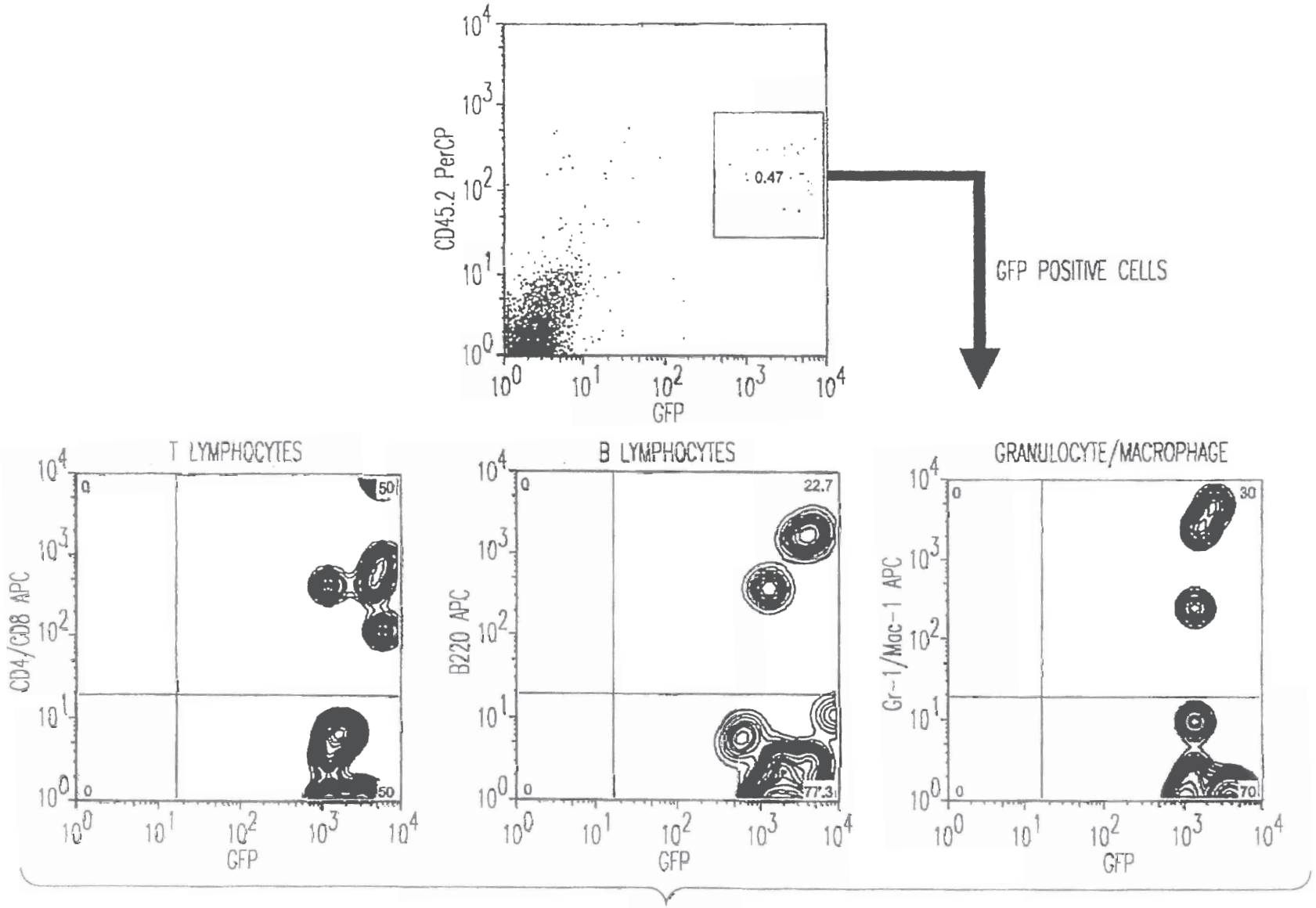

CD45.2 PerCP
GFP
0.47
GFP POSITIVE CELLS
T LYMPHOCYTES
CD4/CD8 APC
50
50
B LYMPHOCYTES
B220 APC
22.7
77.3
GRANULOCYTE/MACROPHAGE
Gr-1/Mac-1 APC
30
70

FIG. 4B-1

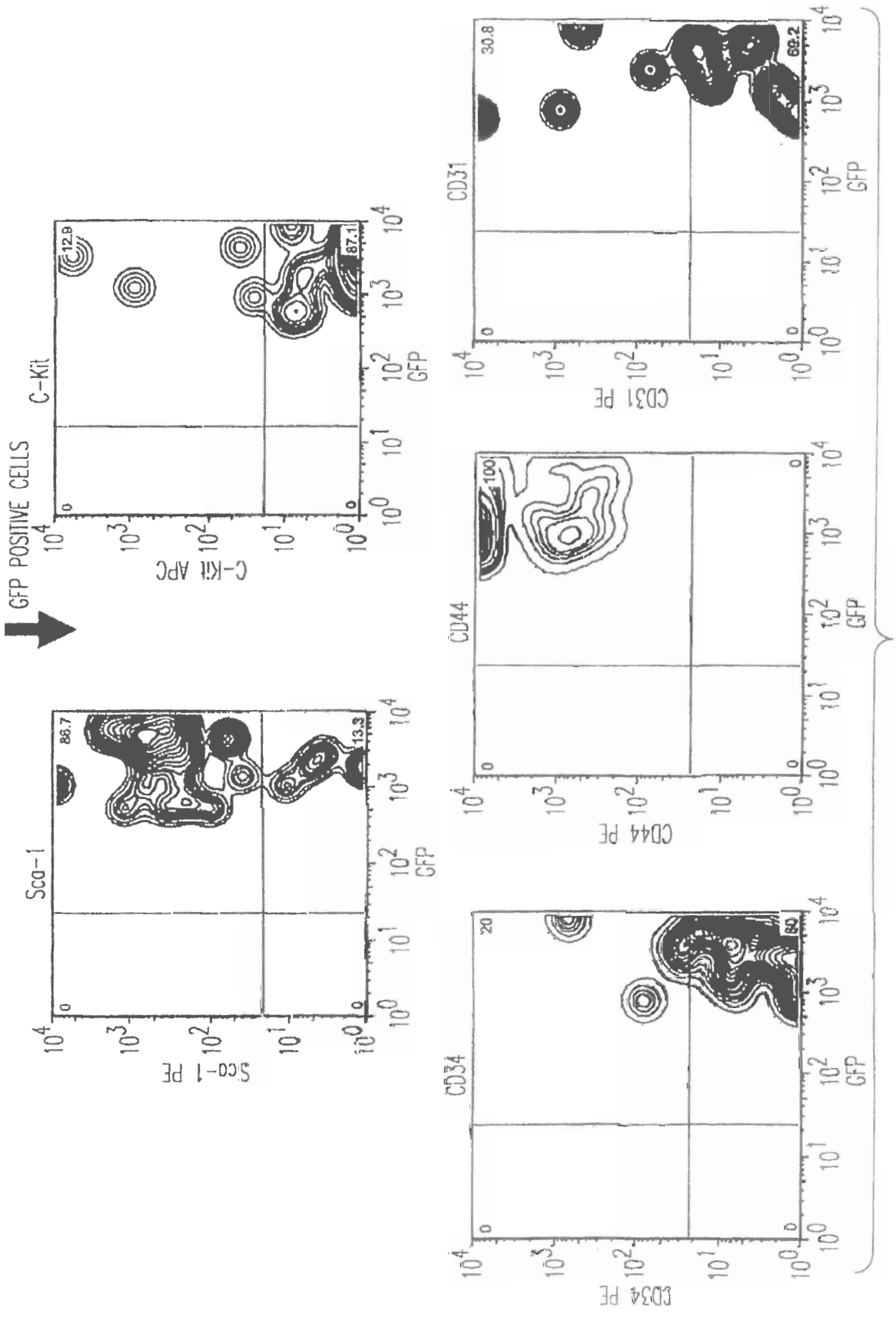

GFP POSITIVE CELLS
Sca-1
Sca-1 PE
GFP
C-Kit
C-Kit APC
GFP
CD34
CD34 PE
GFP
CD44
CD44 PE
GFP
CD31
CD31 PE
GFP

FIG. 4B-2

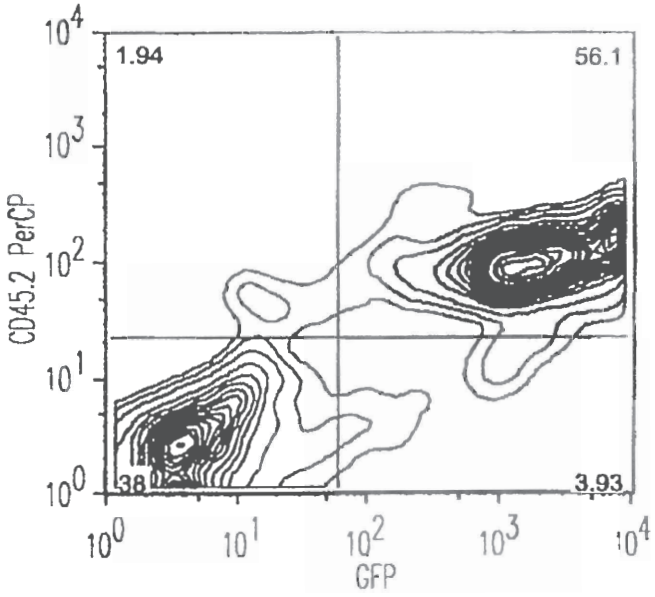


FIG. 5A

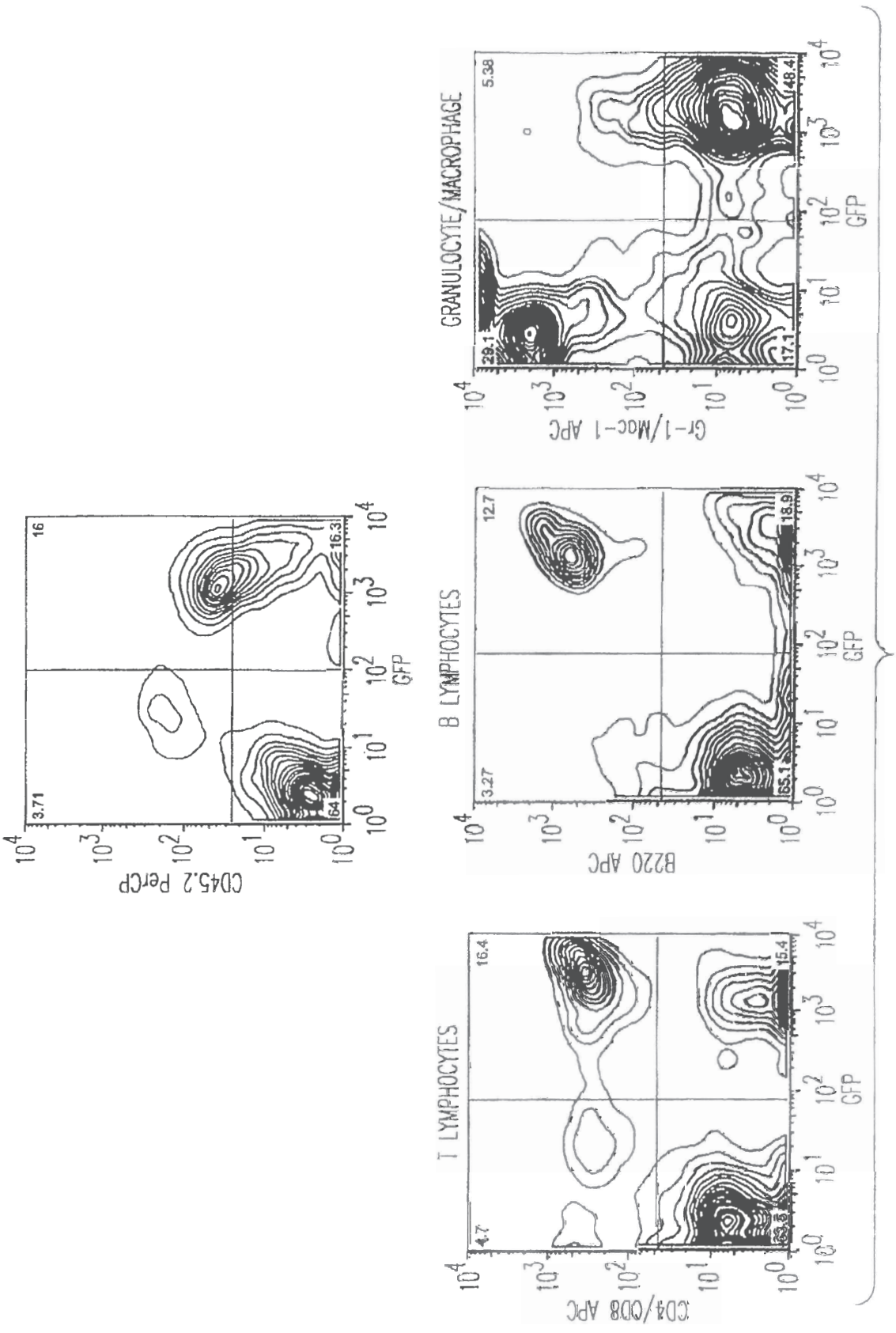

CD45.2 PerCP
GFP
3.71
64
16
16.3
T LYMPHOCYTES
CD4/CD8 APC
GFP
4.7
16.4
15.4
B LYMPHOCYTES
B220 APC
GFP
3.27
65.1
12.7
18.9
GRANULOCYTE/MACROPHAGE
Gr-1/Mac-1 APC
GFP
29.1
17.1
5.38
48.4

FIG. 5B

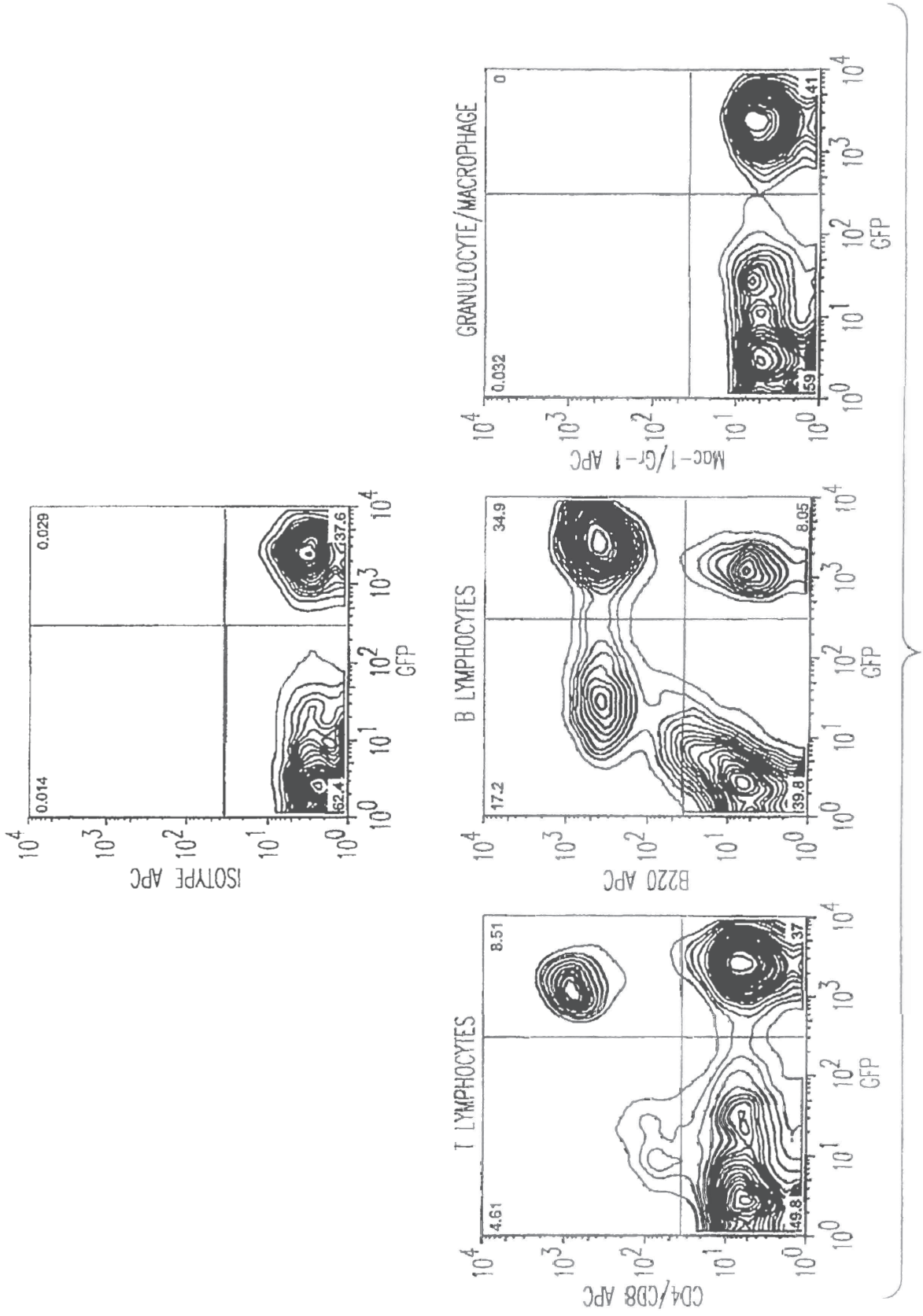

T LYMPHOCYTES
B LYMPHOCYTES
GRANULOCYTE/MACROPHAGE
CD4/CD8 APC
B220 APC
Mac-1/Gr-1 APC
ISOTYPE APC
GFP
4.61
8.51
49.8
37
17.2
34.9
39.8
8.05
0.032
0
59
41
0.014
0.029
62.4
37.6

FIG. 6

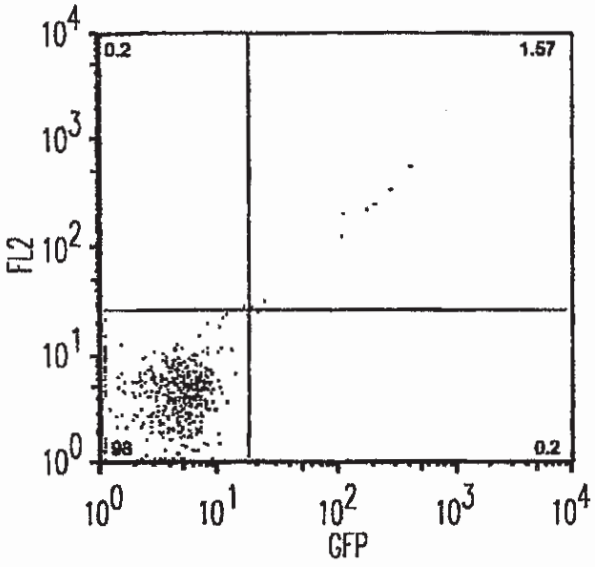


FIG. 7A

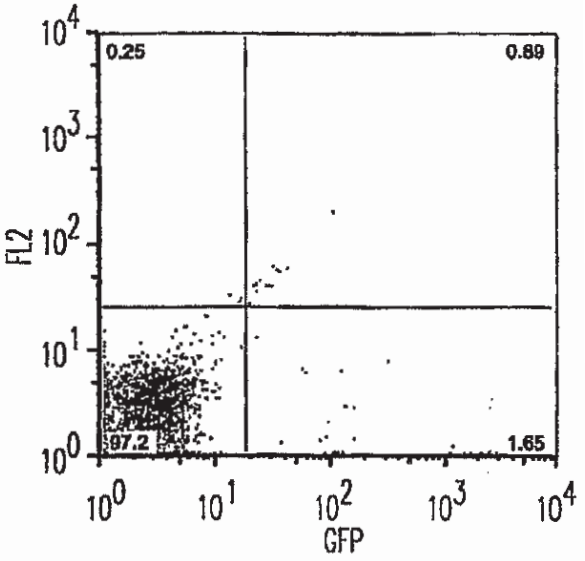


FIG. 7B