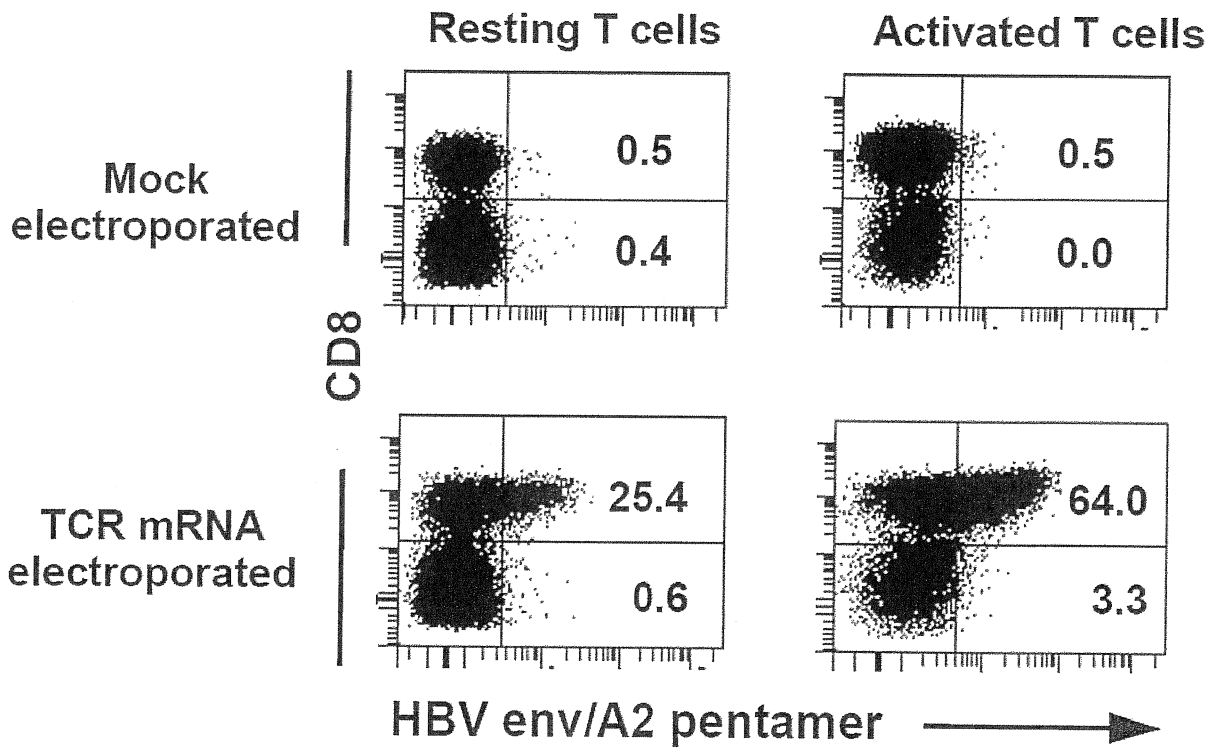


FIGURE 1A

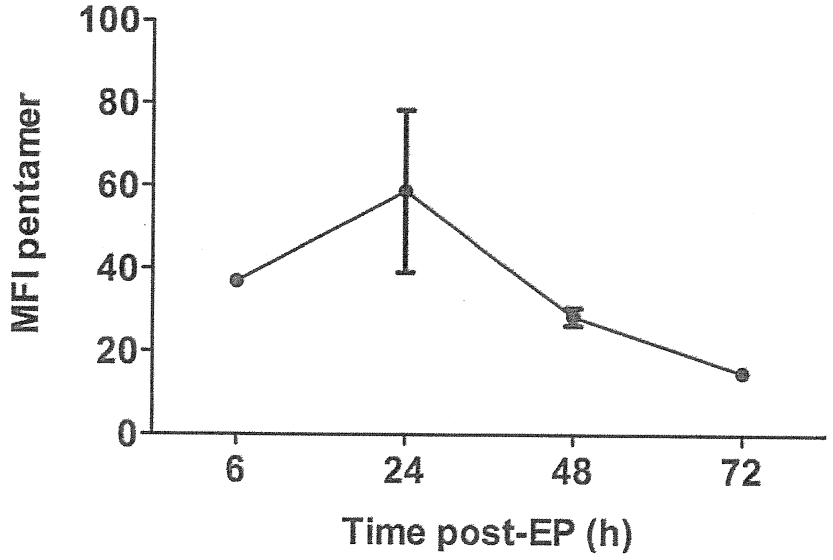


FIGURE 1B

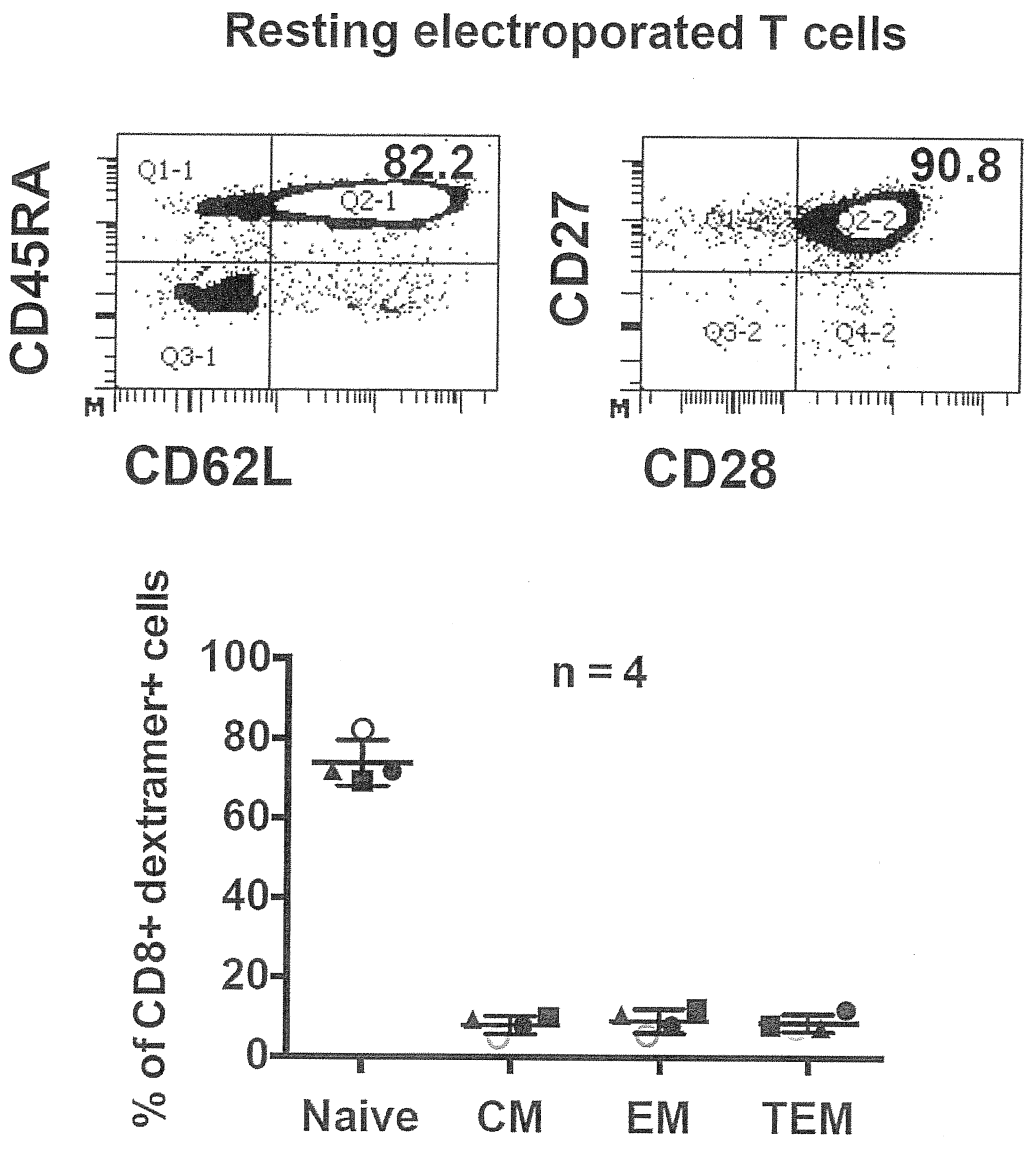

Resting electroporated T cells
CD45RA
Q1-1
82.2
Q2-1
Q3-1
CD62L
CD27
90.8
Q2-2
Q3-2
Q4-2
CD28
% of CD8+ dextramer+ cells
100
80
60
40
20
0
n = 4
Naive
CM
EM
TEM

FIGURE 2A

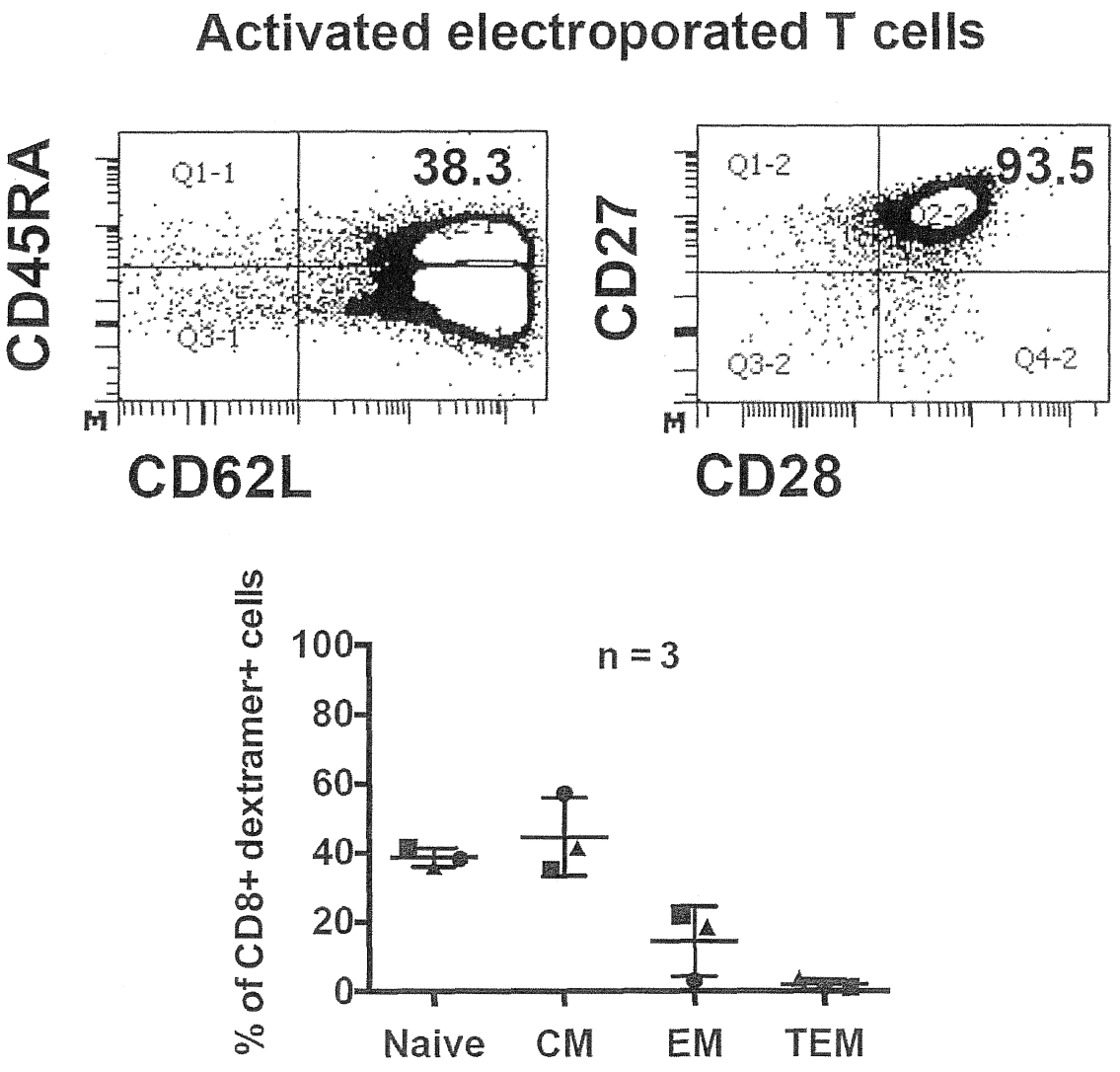

Activated electroporated T cells
CD45RA
Q1-1
38.3
Q3-1
CD62L
CD27
Q1-2
93.5
Q3-2
Q4-2
CD28
% of CD8+ dextramer+ cells
100
80
60
40
20
0
n = 3
Naive
CM
EM
TEM

FIGURE 2B

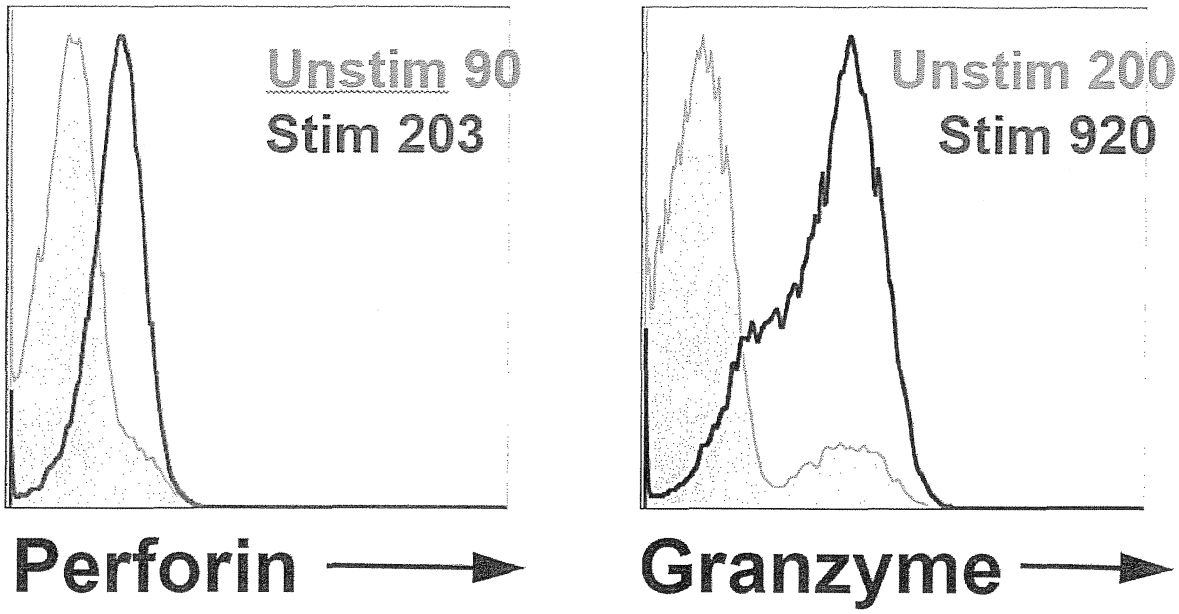


FIGURE 3A

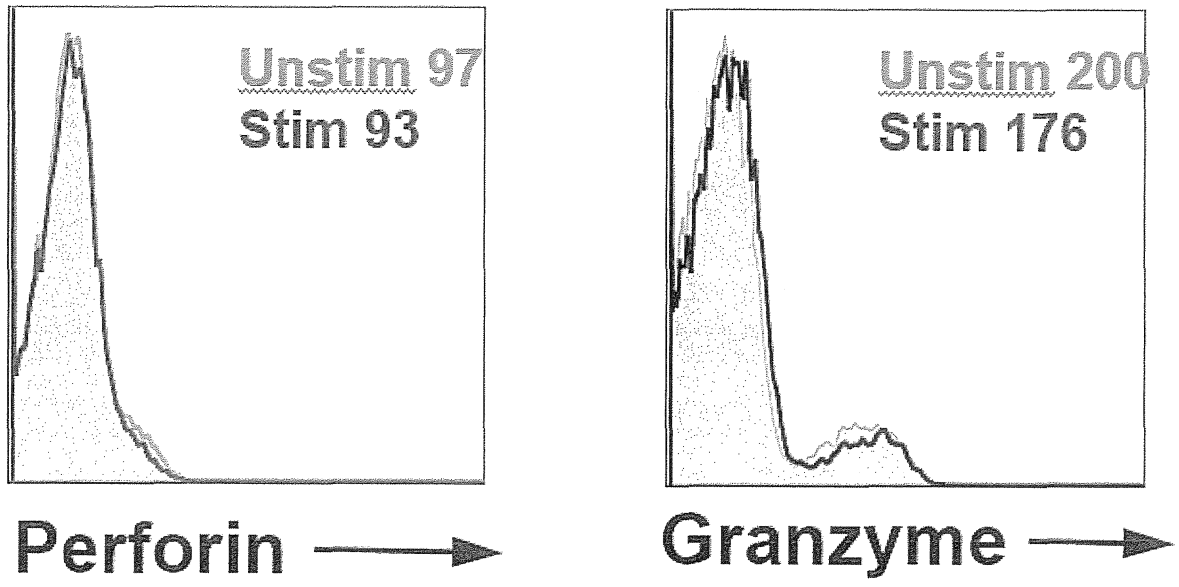


FIGURE 3B

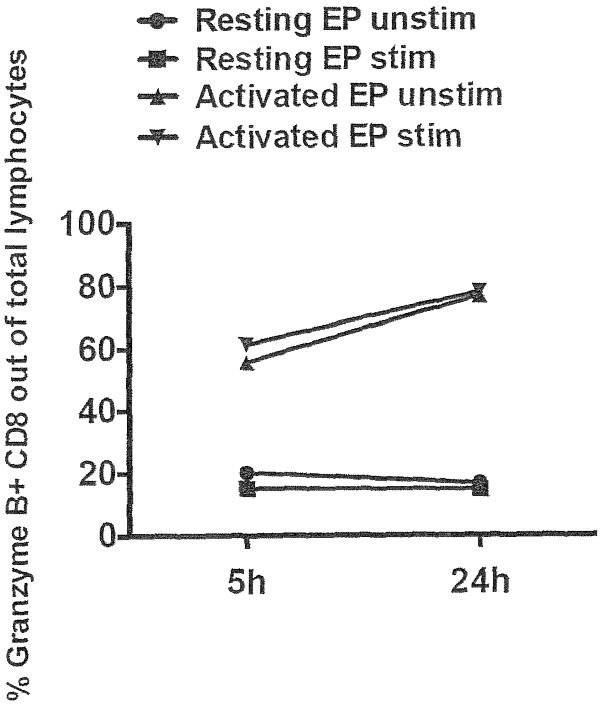


FIGURE 3C

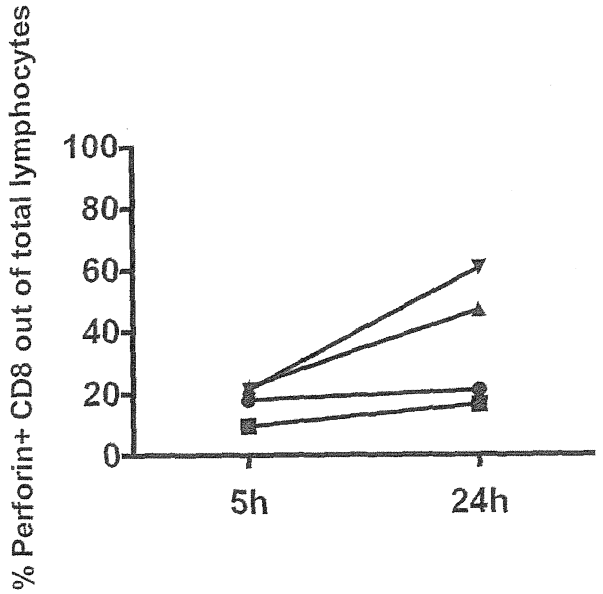


FIGURE 3D

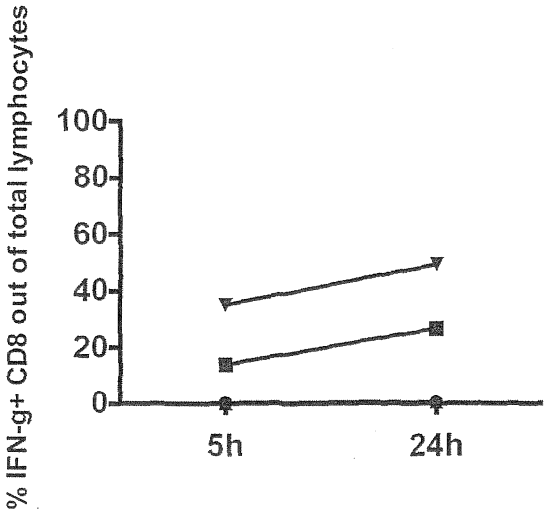


FIGURE 3E

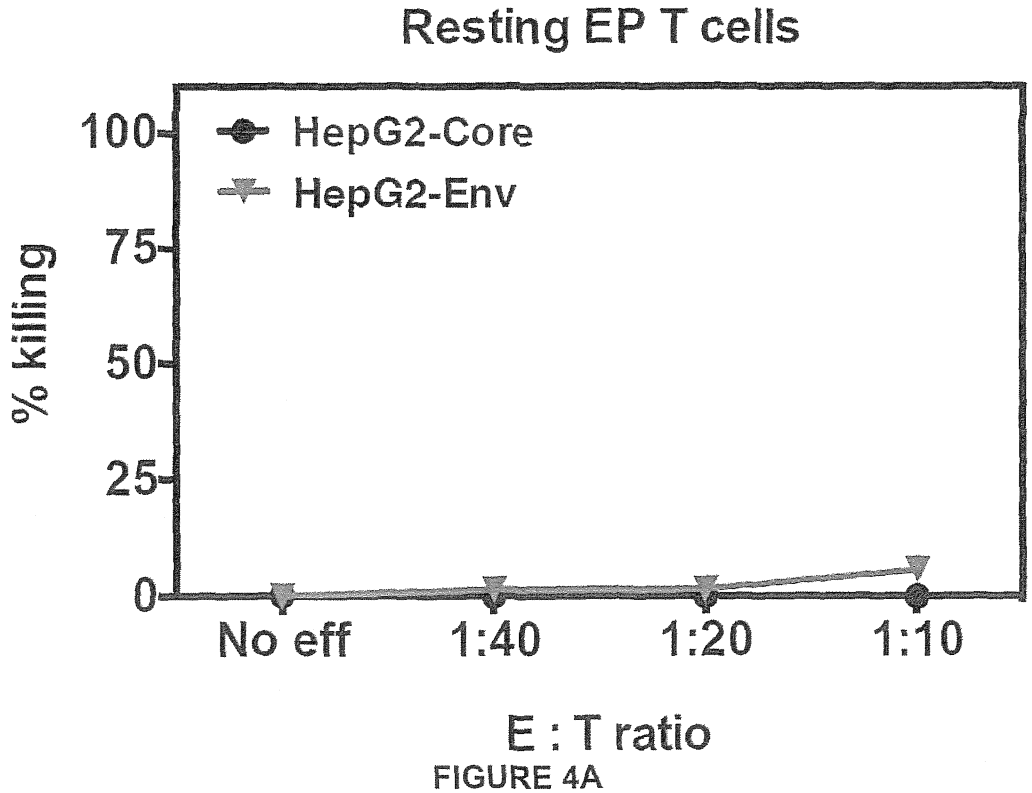


FIGURE 4A

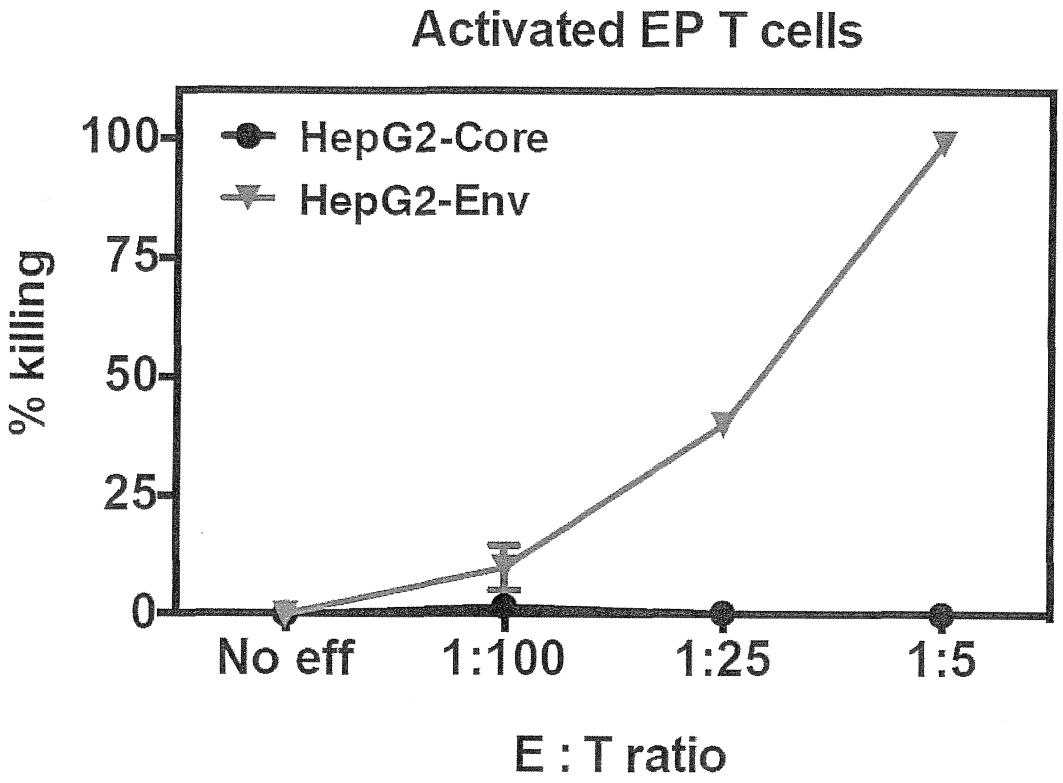


FIGURE 4B

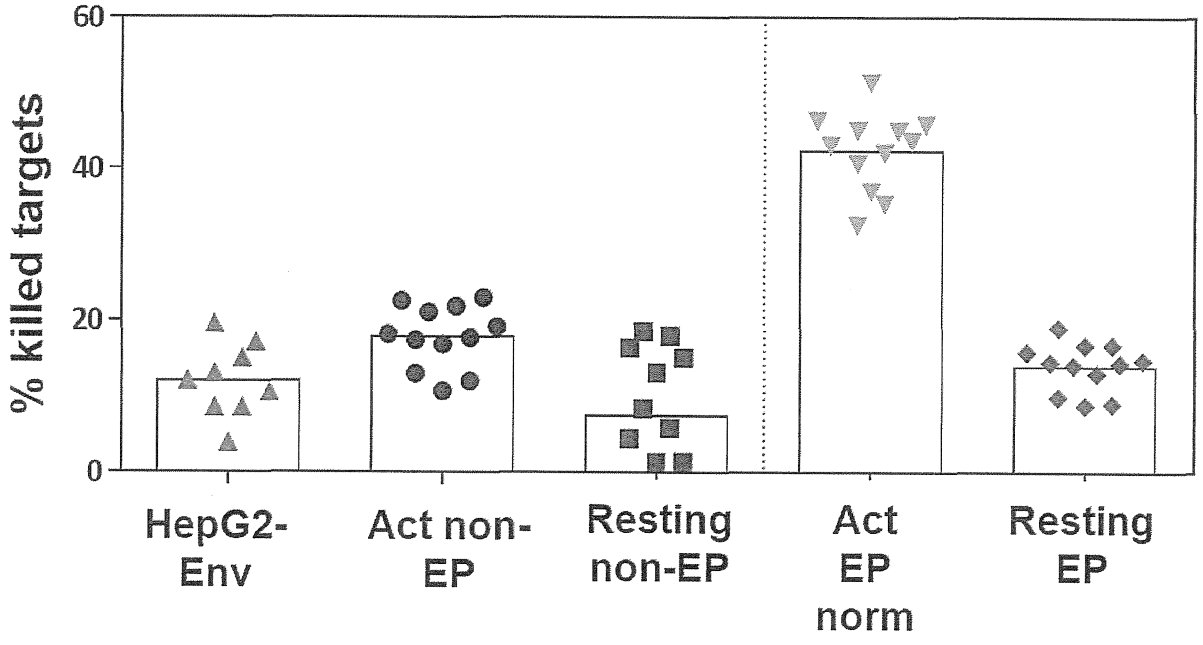


FIGURE 4C

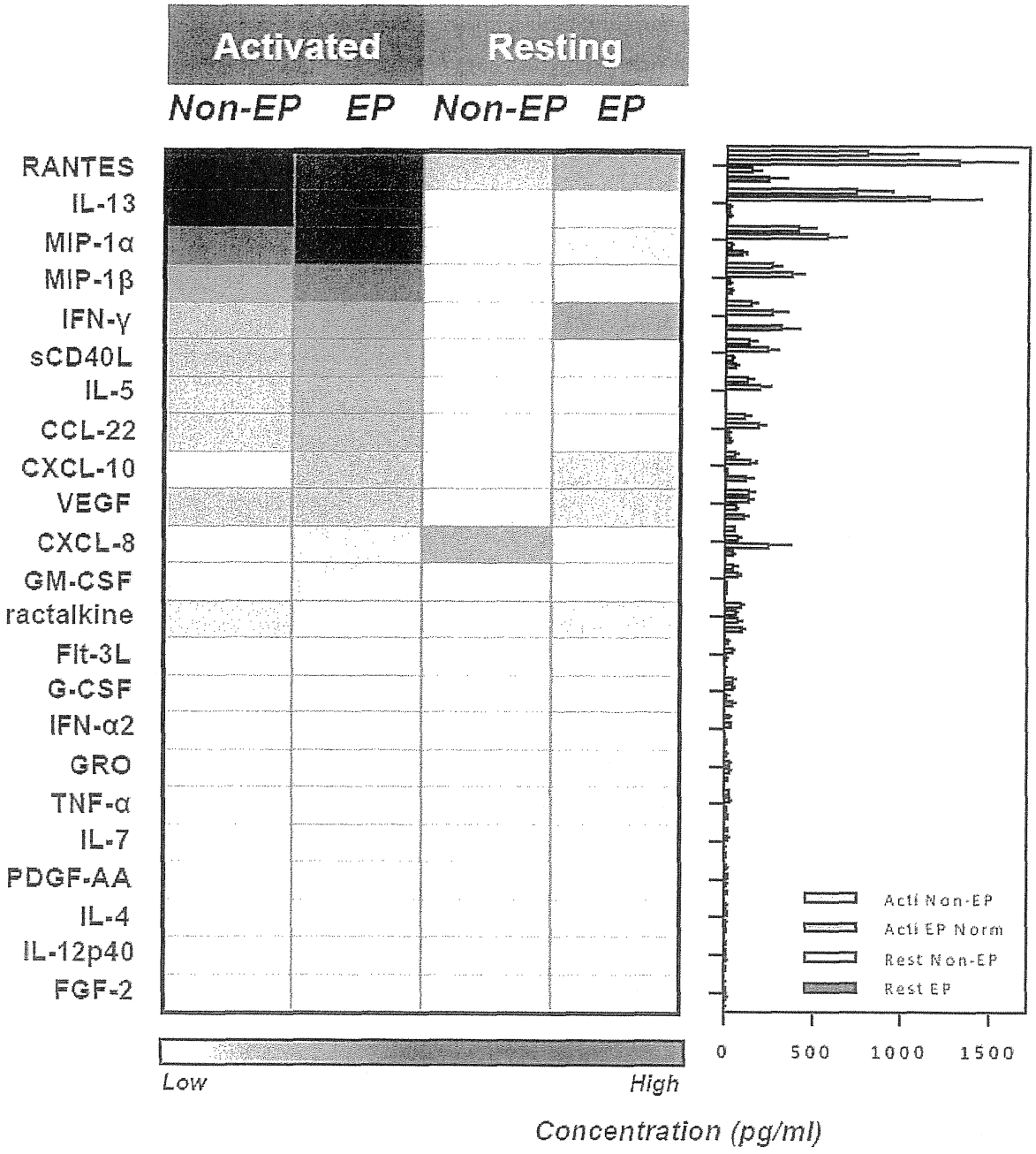

Activated
Resting
Non-EP
EP
Non-EP
EP
RANTES
IL-13
MIP-1α
MIP-1β
IFN-γ
sCD40L
IL-5
CCL-22
CXCL-10
VEGF
CXCL-8
GM-CSF
ractalkine
Flt-3L
G-CSF
IFN-α2
GRO
TNF-α
IL-7
PDGF-AA
IL-4
IL-12p40
FGF-2
Low
High
Acti Non-EP
Acti EP Norm
Rest Non-EP
Rest EP
0
500
1000
1500
Concentration (pg/ml)

FIGURE 5

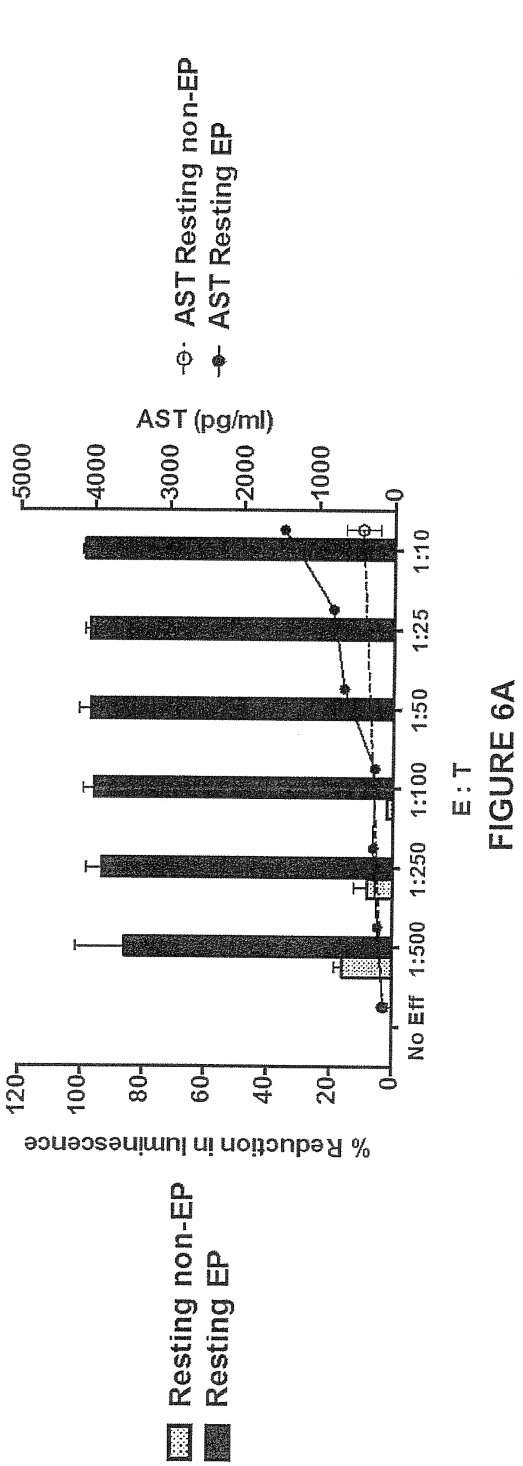


FIGURE 6A

FIGURE 6B

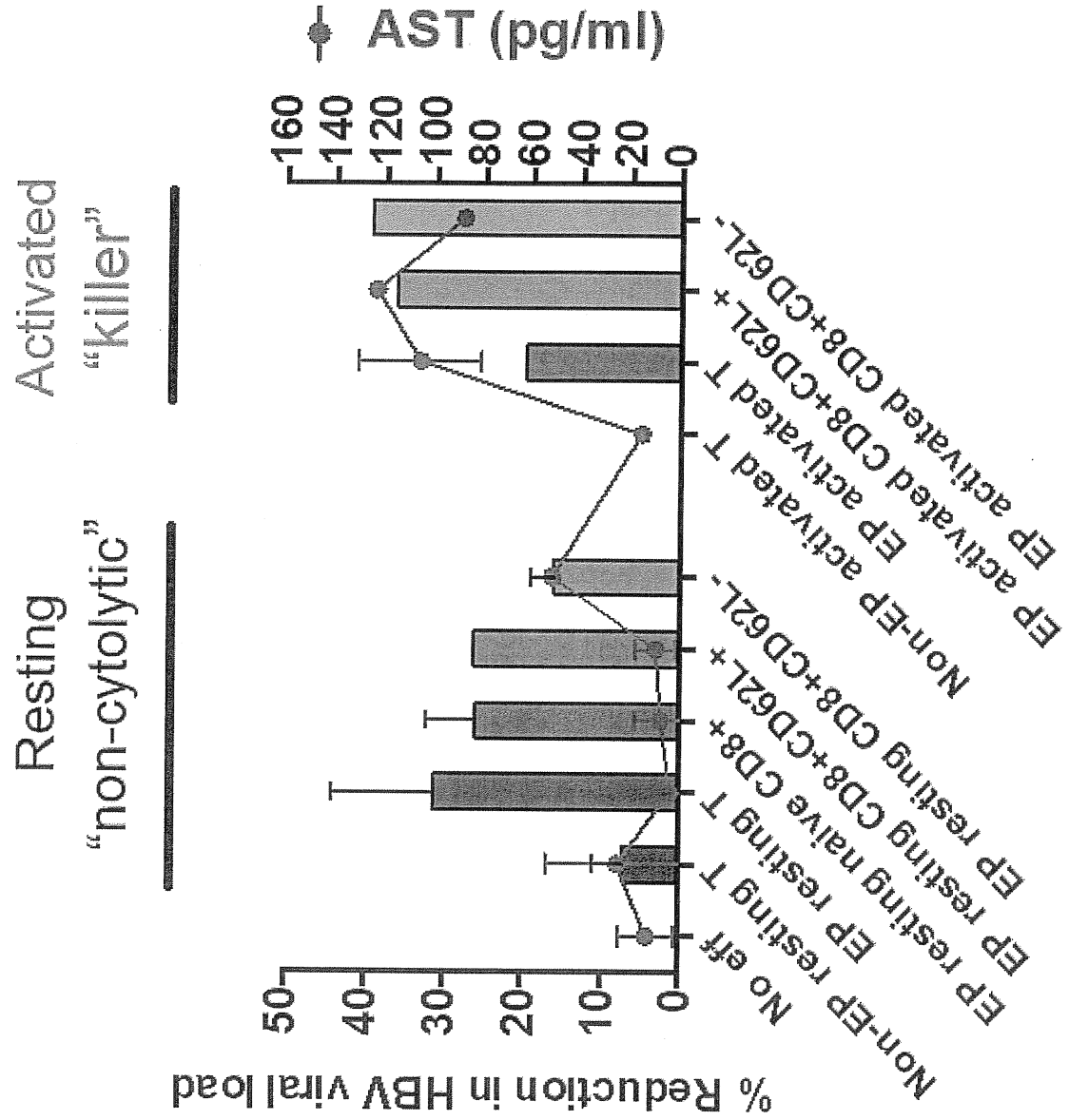

AST (pg/ml)
160
140
120
100
80
60
40
20
0
% Reduction in HBV viral load
50
40
30
20
10
0
No eff
Non-EP resting T
EP resting T
EP resting naive CD8+
EP resting CD8+CD62L+
Non-EP activated T
EP activated T
EP resting CD8+CD62L-
EP activated CD8+CD62L+
EP activated CD8+CD62L-
Resting
"non-cytolytic"
Activated
"killer"

FIGURE 7

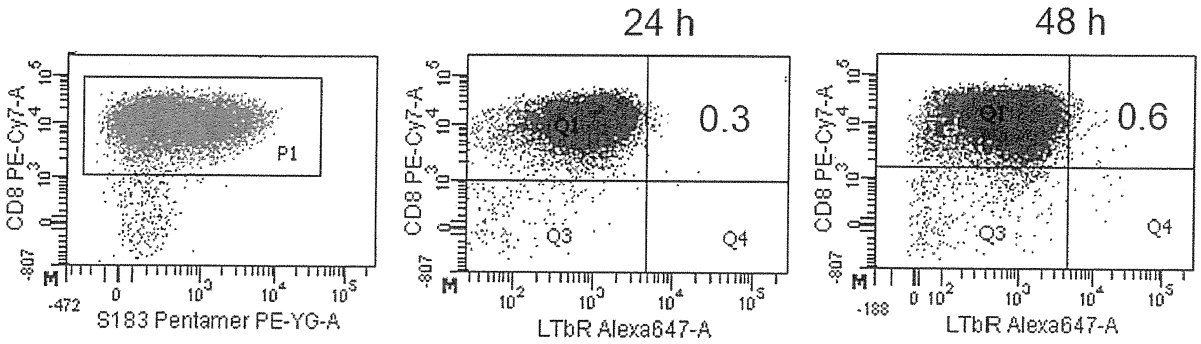


FIGURE 8A

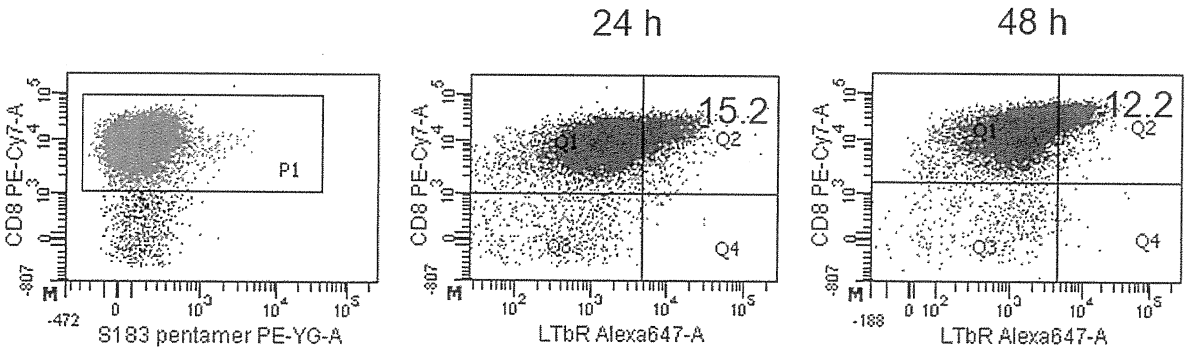


FIGURE 8B

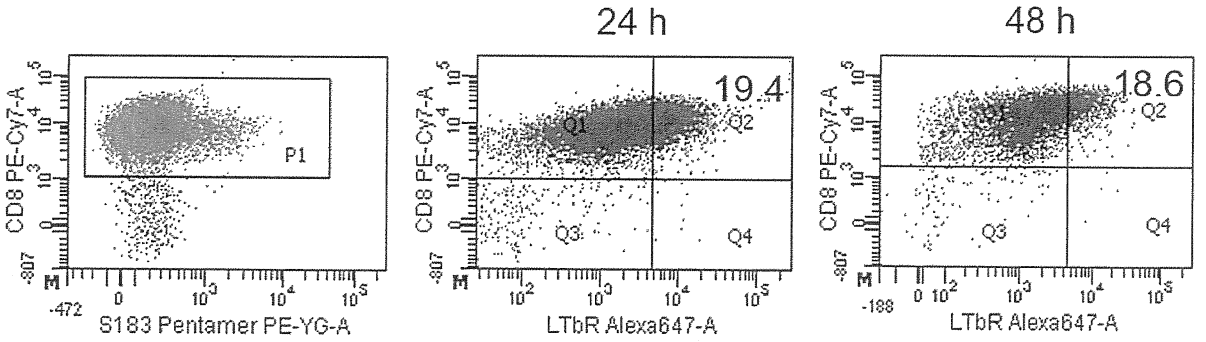


FIGURE 8C

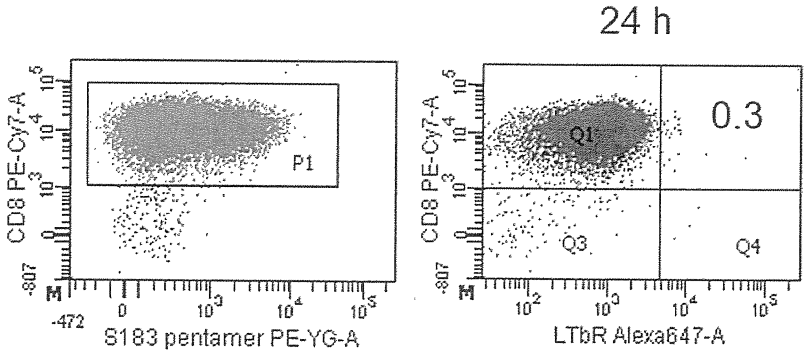


FIGURE 8D