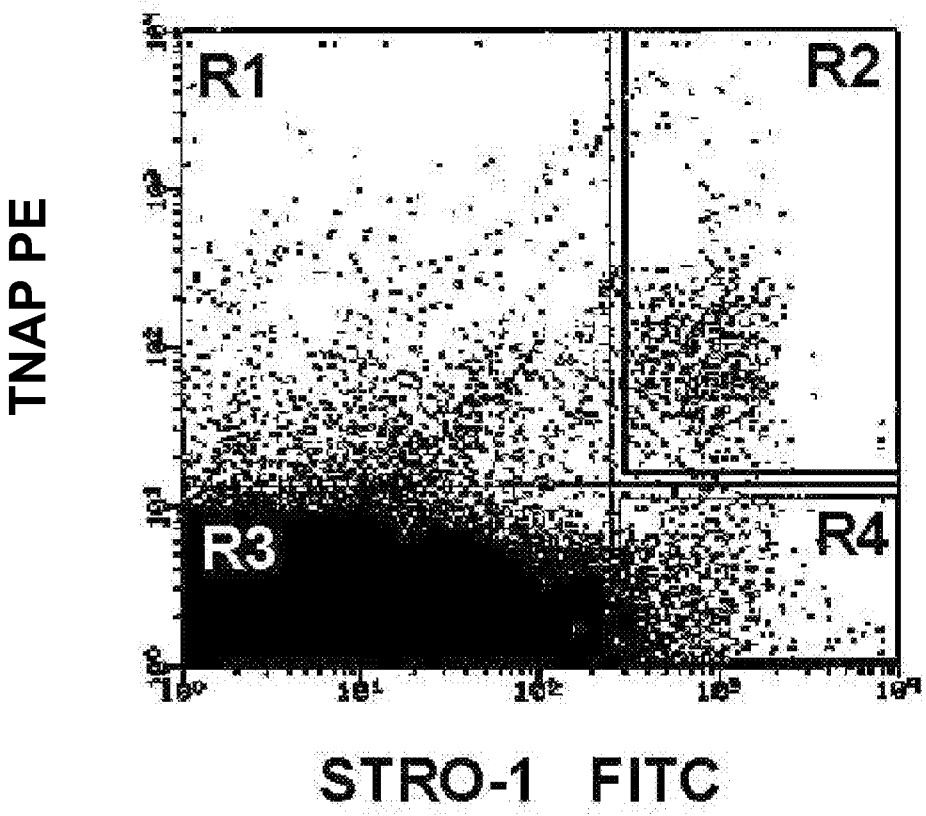


Figure 1

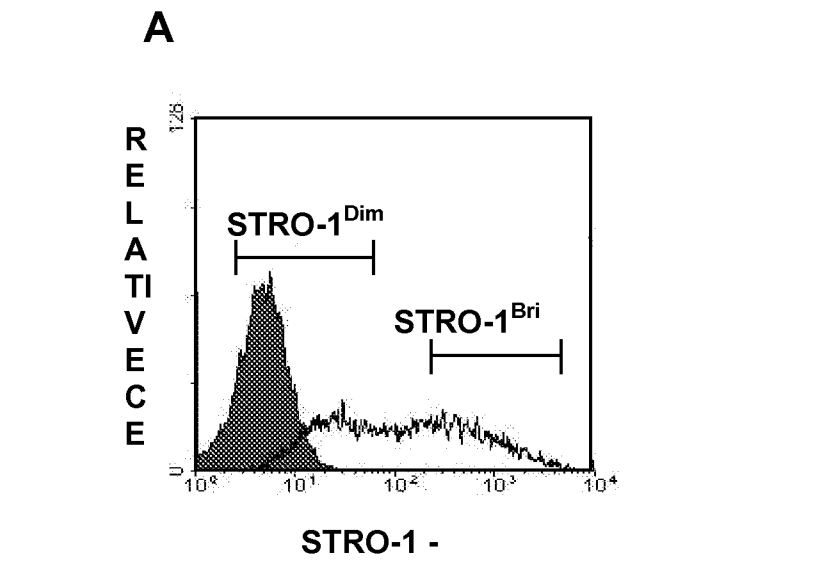

A
RELATIVE CELL
STRO-1Dim
STRO-1Bri
STRO-1 -
B
GAPDH
Nestin
GFAP
CBFA1
Osterix
OCN
PDGF-R
SOX-9
COL X
Leptin
PPARγ
Flt-1
KDR
Myo D
GATA-4
SMMHC
Ang-1
SDF-1α
IL-1β
TNF
RANK
SB SD

Figure 2

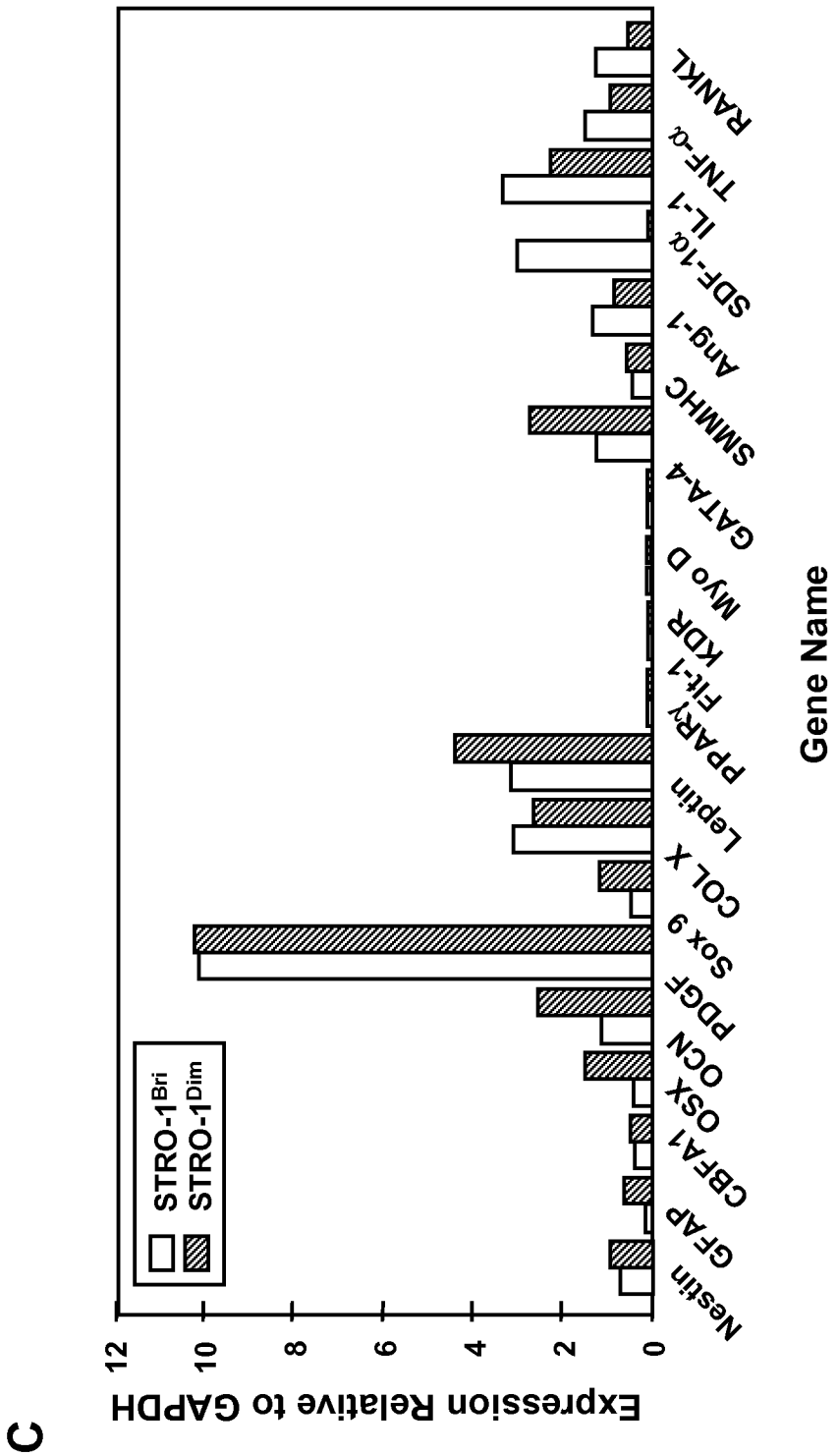


Figure 2 (continued)

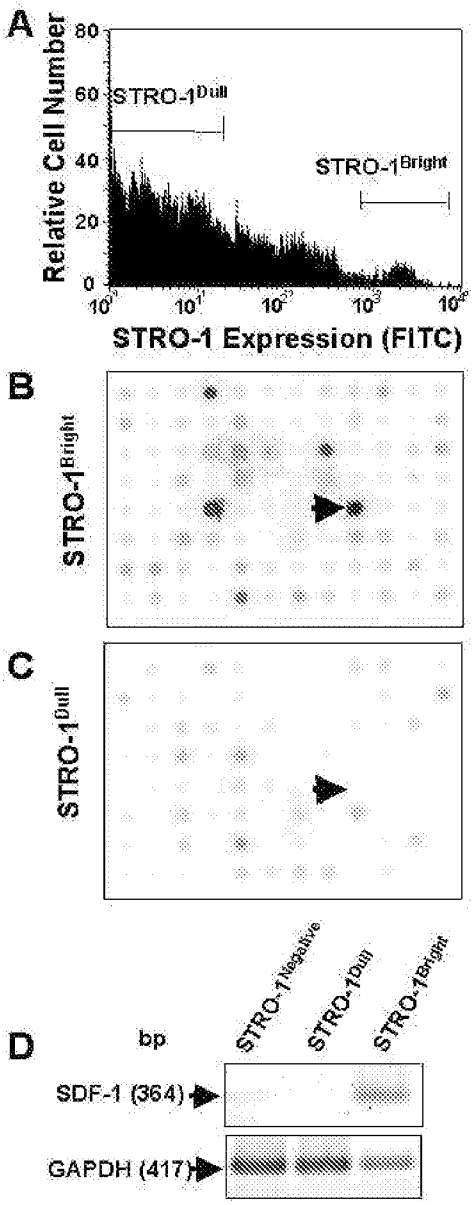

A
Relative Cell Number
80
60
40
20
0
STRO-1Dull
STRO-1Bright
STRO-1 Expression (FITC)
B
STRO-1Bright
C
STRO-1Dull
D
bp
STRO-1Negative
STRO-1Dull
STRO-1Bright
SDF-1 (364)
GAPDH (417)

Figure 3

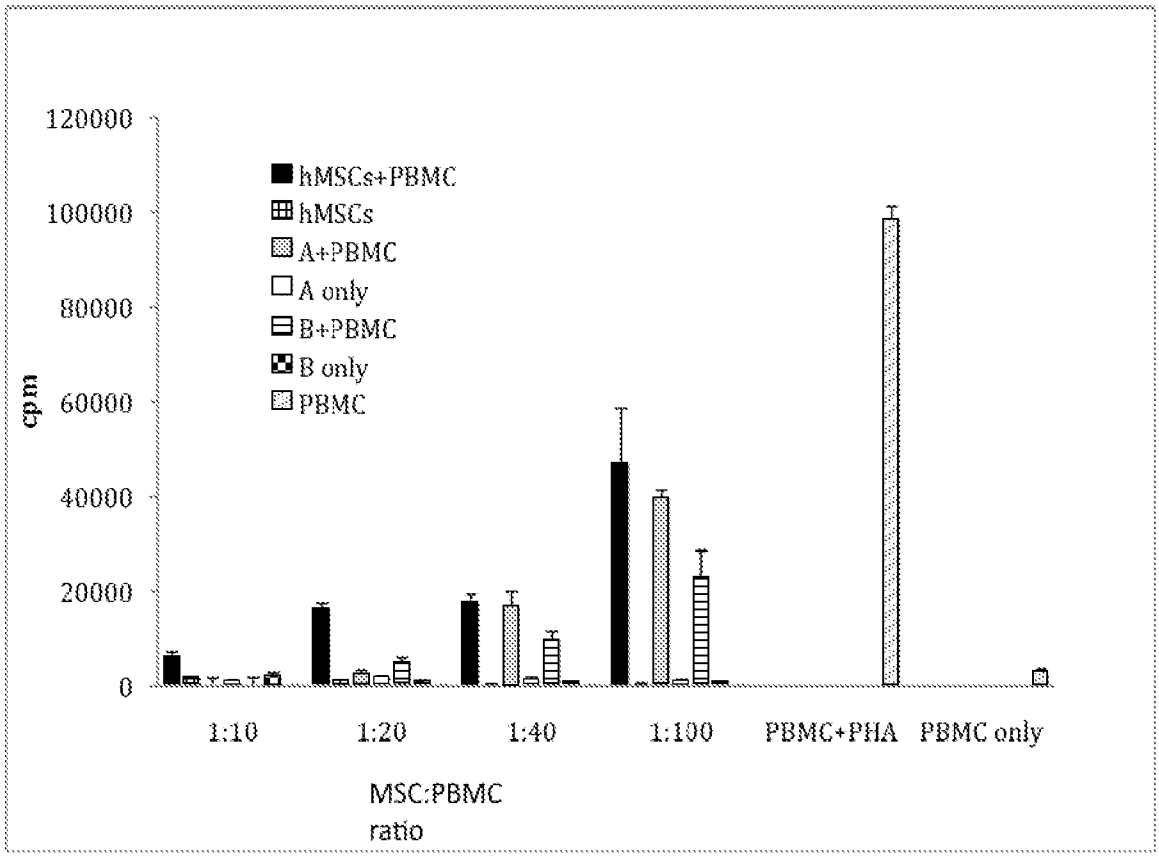

120000
100000
80000
60000
40000
20000
0
cpm
hMSCs+PBMC
hMSCs
A+PBMC
A only
B+PBMC
B only
PBMC
1:10
1:20
1:40
1:100
PBMC+PHA
PBMC only
MSC:PBMC ratio

Figure 4

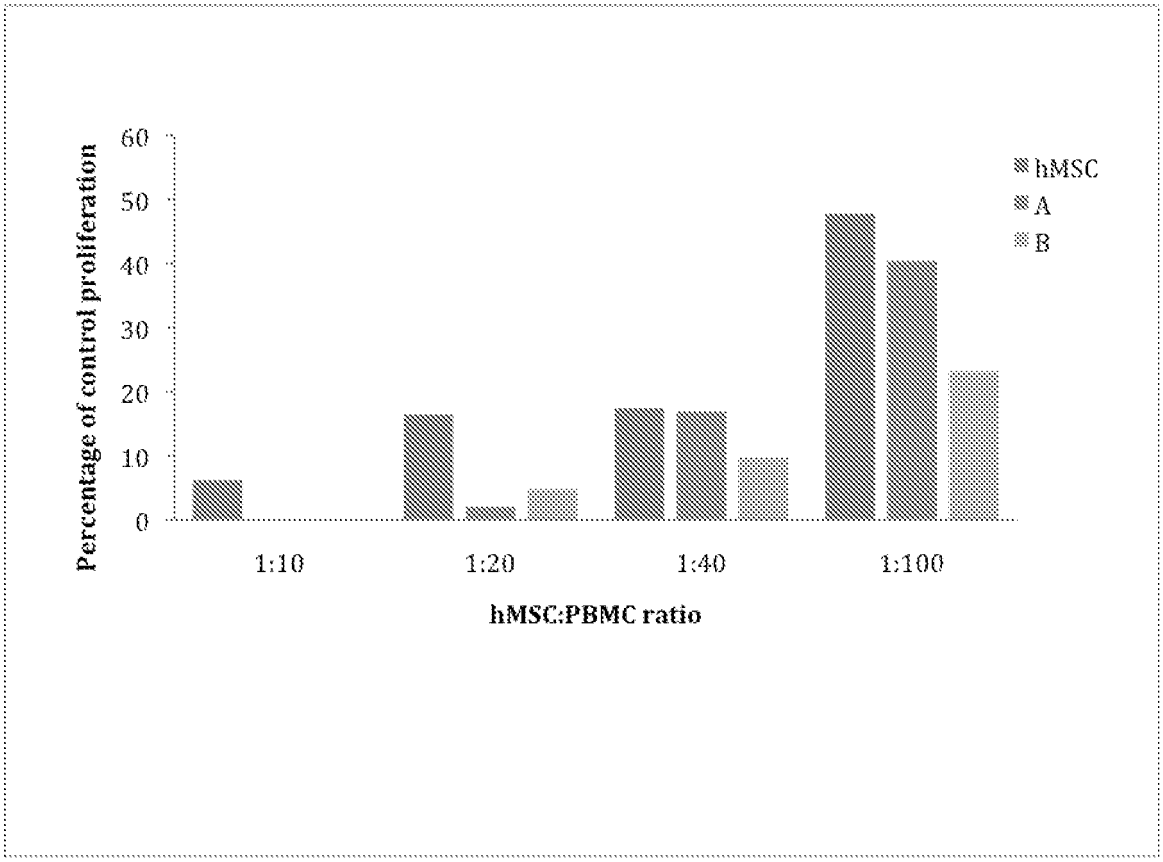

Percentage of control proliferation
60
50
40
30
20
10
0
1:10
1:20
1:40
1:100
hMSC:PBMC ratio
hMSC
A
B

Figure 5

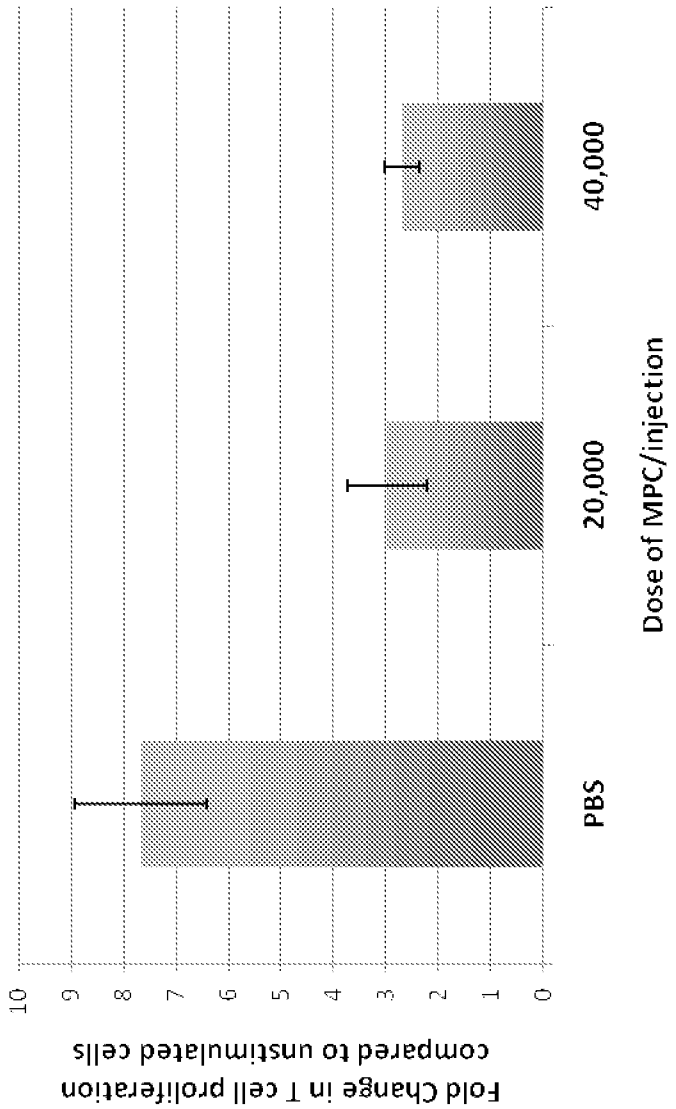

Fold Change in T cell proliferation
compared to unstimulated cells
0
1
2
3
4
5
6
7
8
9
10
PBS
20,000
40,000
Dose of MPC/injection

Figure 6

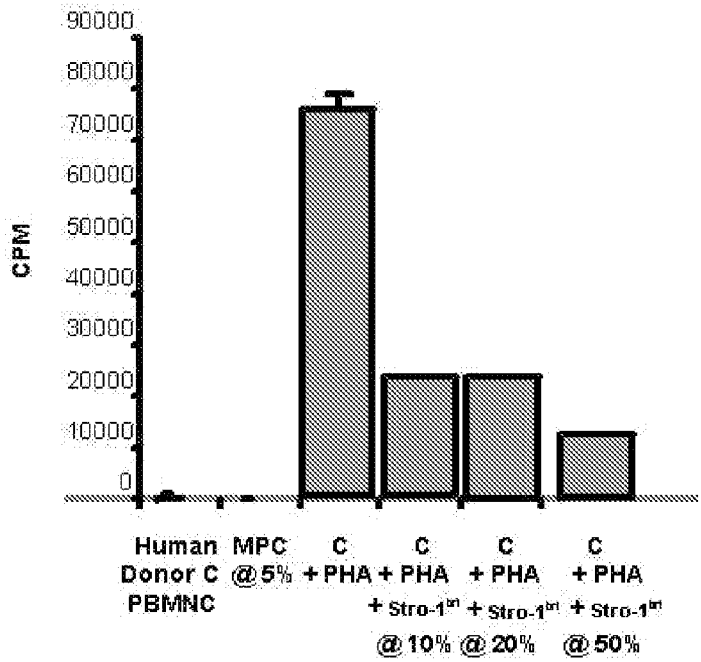

90000
80000
70000
60000
50000
40000
30000
20000
10000
0
CPM
Human Donor C PBMNC
MPC @5%
C + PHA
C + PHA + Stro-1bri @10%
C + PHA + Stro-1bri @20%
C + PHA + Stro-1bri @50%

Figure 7

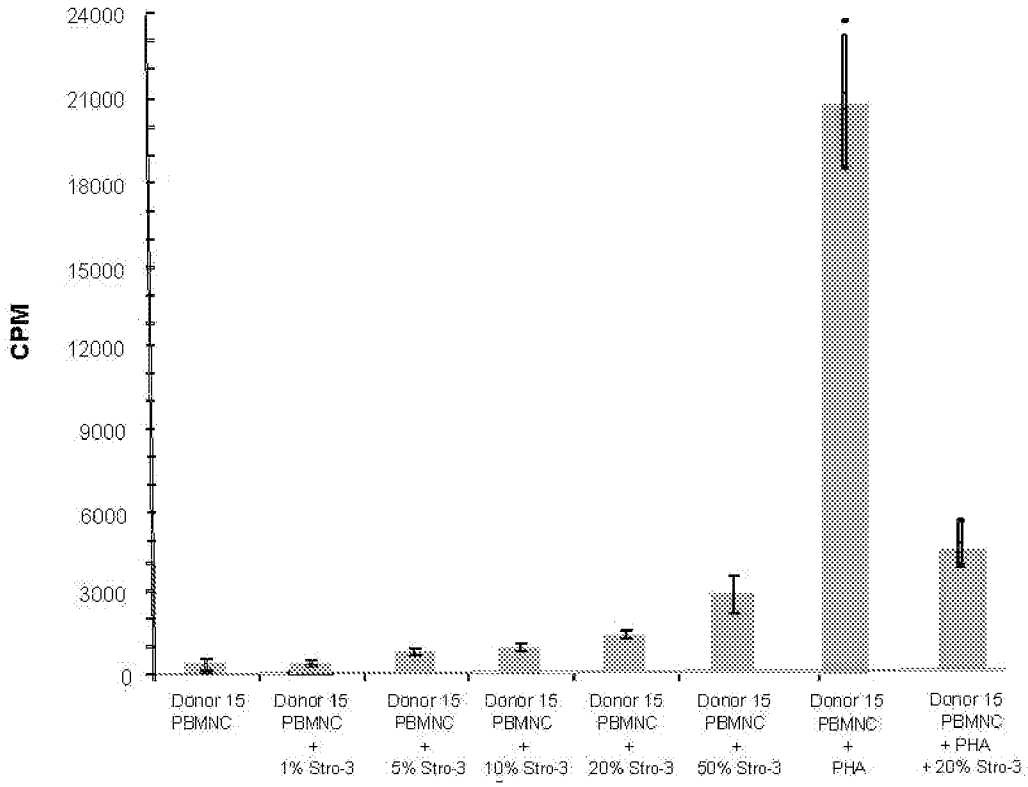

CPM
24000
21000
18000
15000
12000
9000
6000
3000
0
Donor 15 PBMNC
Donor 15 PBMNC + 1% Stro-3
Donor 15 PBMNC + 5% Stro-3
Donor 15 PBMNC + 10% Stro-3
Donor 15 PBMNC + 20% Stro-3
Donor 15 PBMNC + 50% Stro-3
Donor 15 PBMNC + PHA
Donor 15 PBMNC + PHA + 20% Stro-3

Figure 8

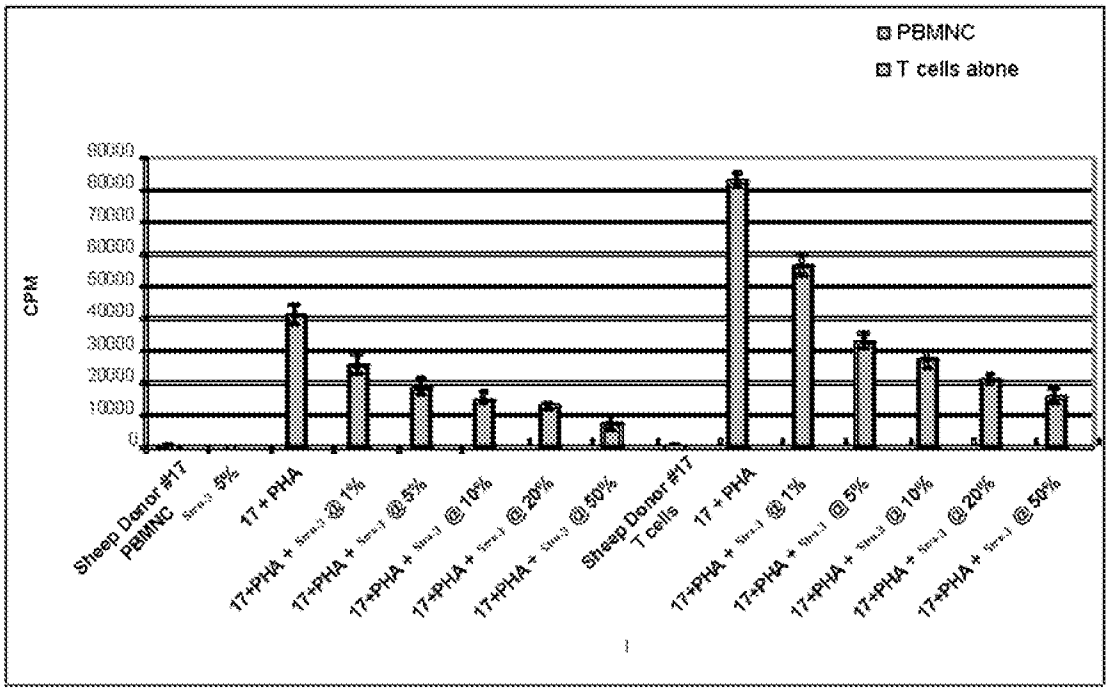

PBMNC
T cells alone
CPM
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Sheep Donor #17 PBMNC
17 + PHA
17+PHA + Strep3 @ 1%
17+PHA + Strep3 @ 5%
17+PHA + Strep3 @ 10%
17+PHA + Strep3 @ 20%
17+PHA + Strep3 @ 50%
Sheep Donor #17 T cells
17 + PHA
17+PHA + Strep1 @ 1%
17+PHA + Strep1 @ 5%
17+PHA + Strep1 @ 10%
17+PHA + Strep1 @ 20%
17+PHA + Strep1 @ 50%

Figure 9