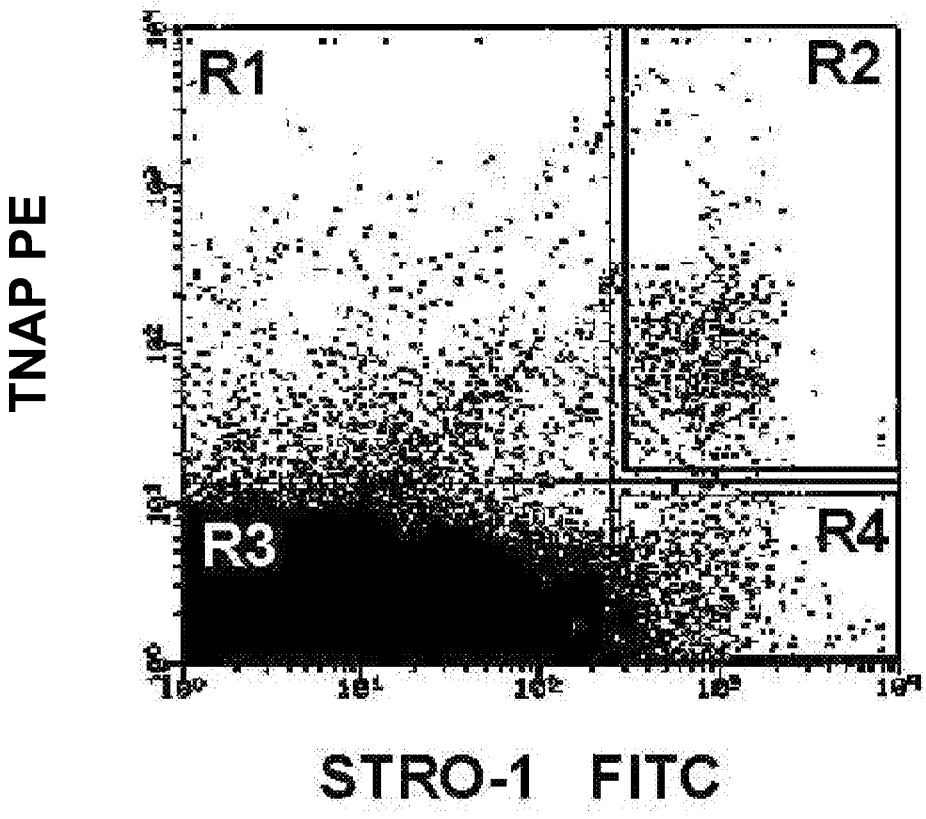


Figure 1

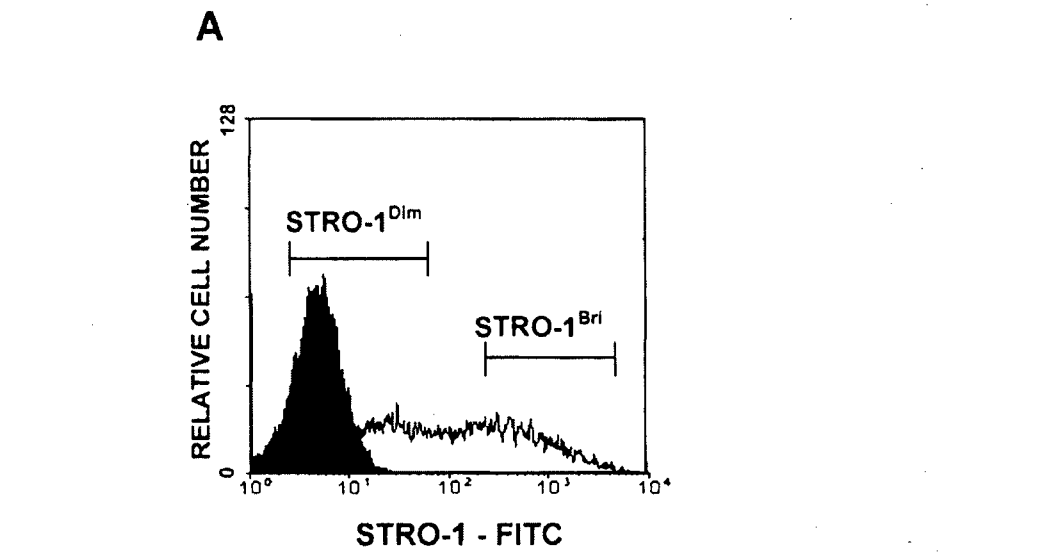

A
RELATIVE CELL NUMBER
128
0
STRO-1Dim
STRO-1Bri
10⁰
10¹
10²
10³
10⁴
STRO-1 - FITC
B
GAPDH
Nestin
GFAP
CBFA1
Osterix
OCN
PDGF-R
SOX-9
COL X
Leptin
PPARγ
Flt-1
KDR
Myo D
GATA-4
SMMHC
Ang-1
SDF-1α
IL-1β
TNFα
RANKL
SB SD

Figure 2

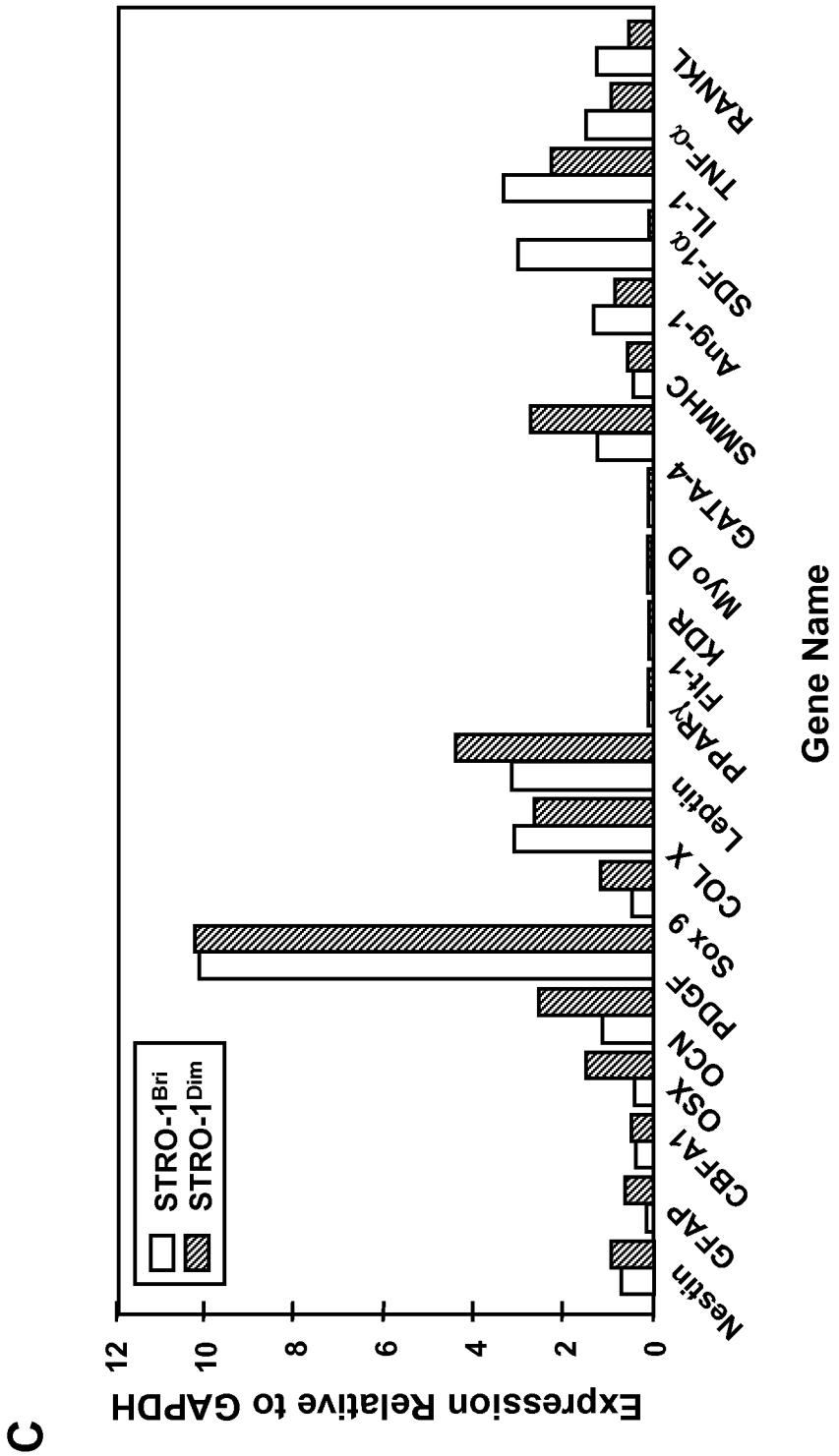


Figure 2 (continued)

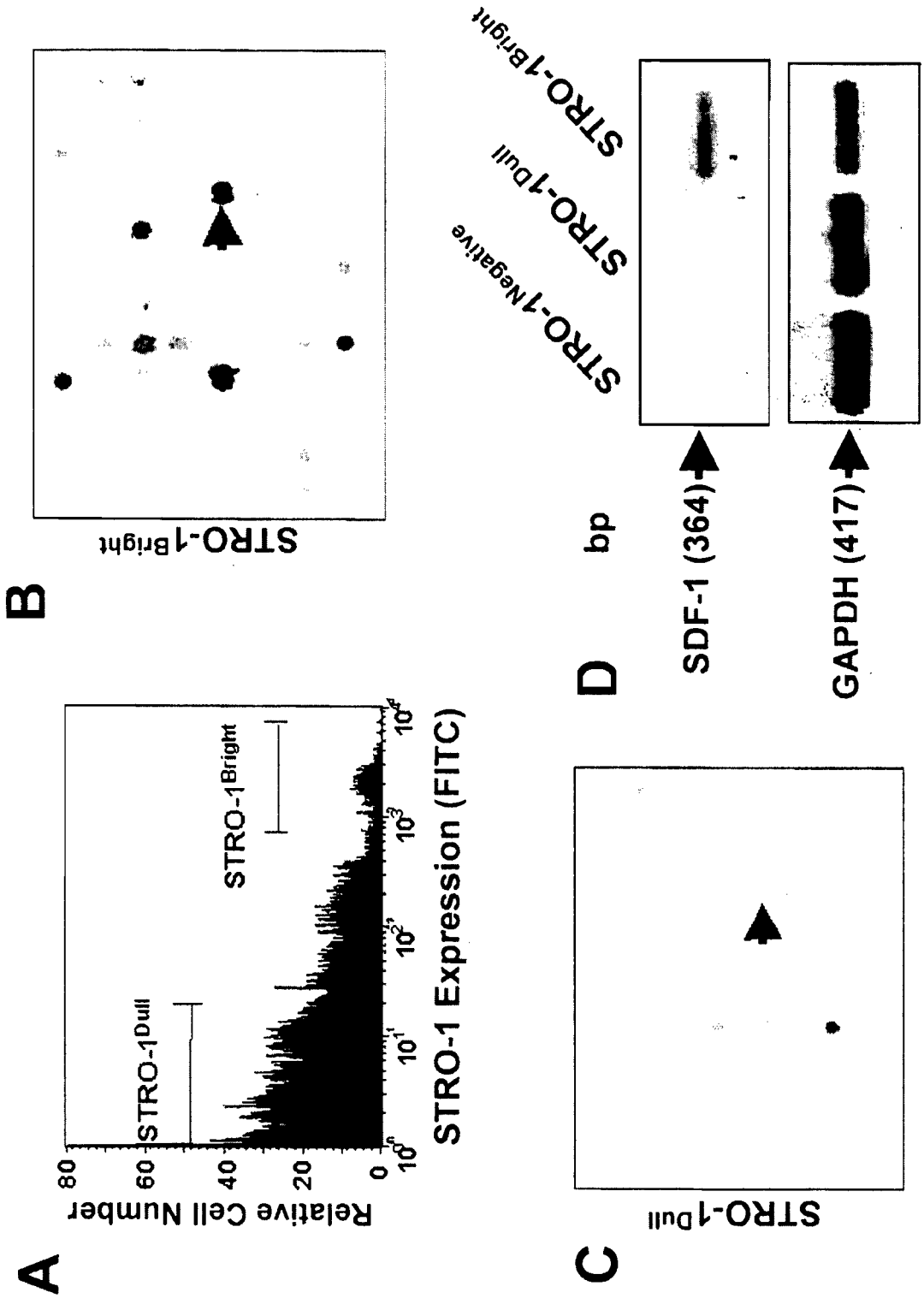

A
Relative Cell Number
80
60
40
20
0
STRO-1Dull
STRO-1Bright
10^0
10^1
10^2
10^3
10^4
STRO-1 Expression (FITC)
B
STRO-1Bright
C
STRO-1Dull
D
bp
SDF-1 (364)
GAPDH (417)
STRO-1Negative
STRO-1Dull
STRO-1Bright

Figure 3

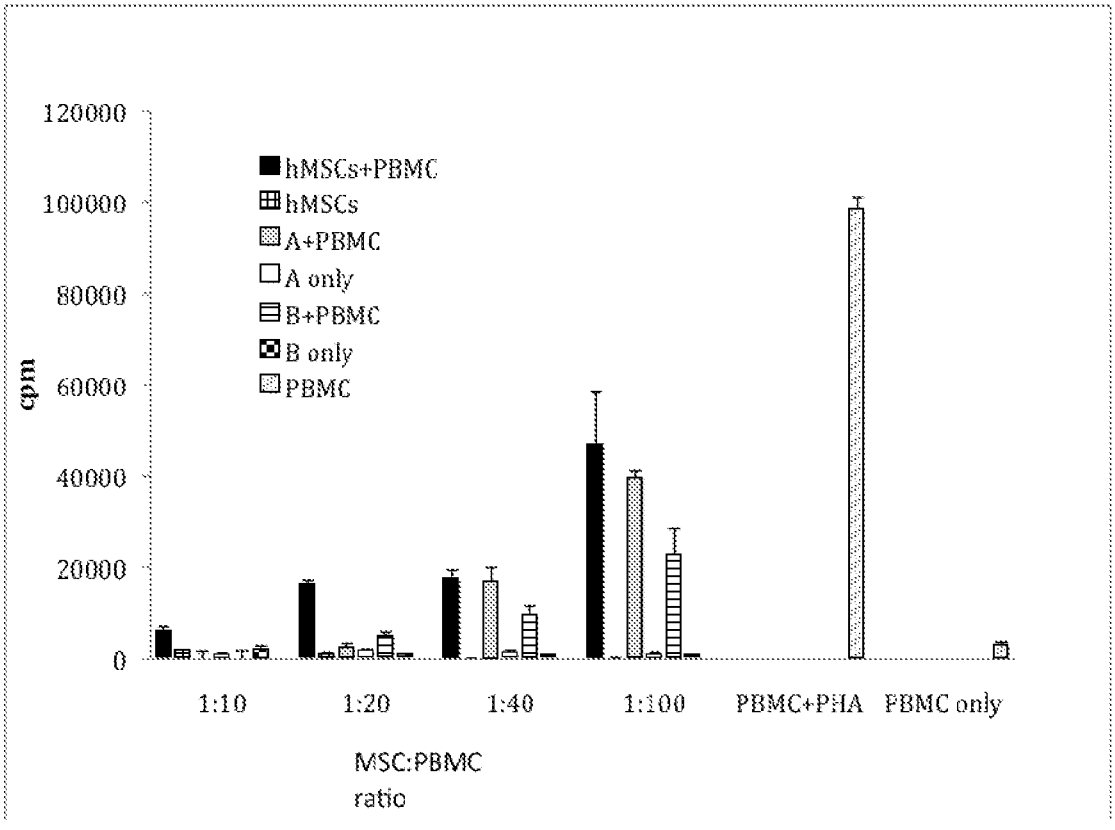

120000
100000
80000
60000
40000
20000
0
cpm
hMSCs+PBMC
hMSCs
A+PBMC
A only
B+PBMC
B only
PBMC
1:10
1:20
1:40
1:100
PBMC+PHA
PBMC only
MSC:PBMC
ratio

Figure 4

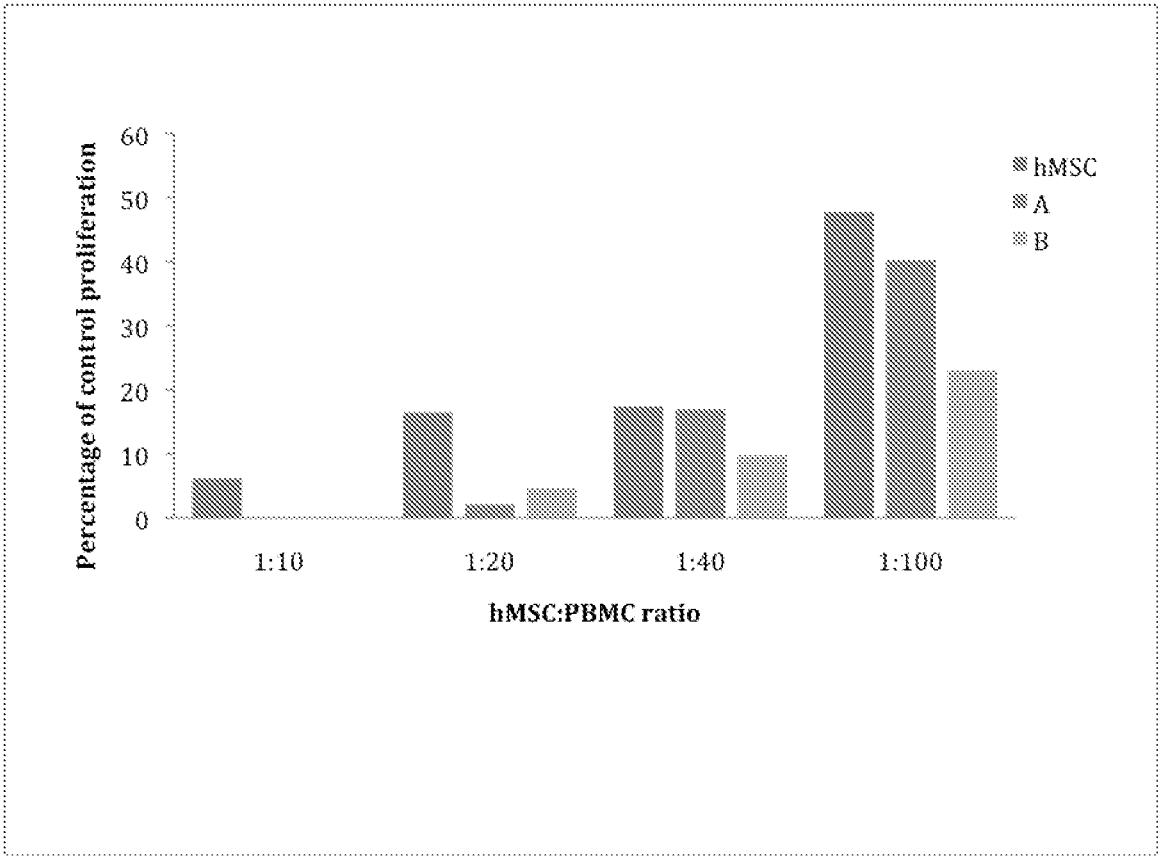

Percentage of control proliferation
60
50
40
30
20
10
0
1:10
1:20
1:40
1:100
hMSC:PBMC ratio
hMSC
A
B

Figure 5

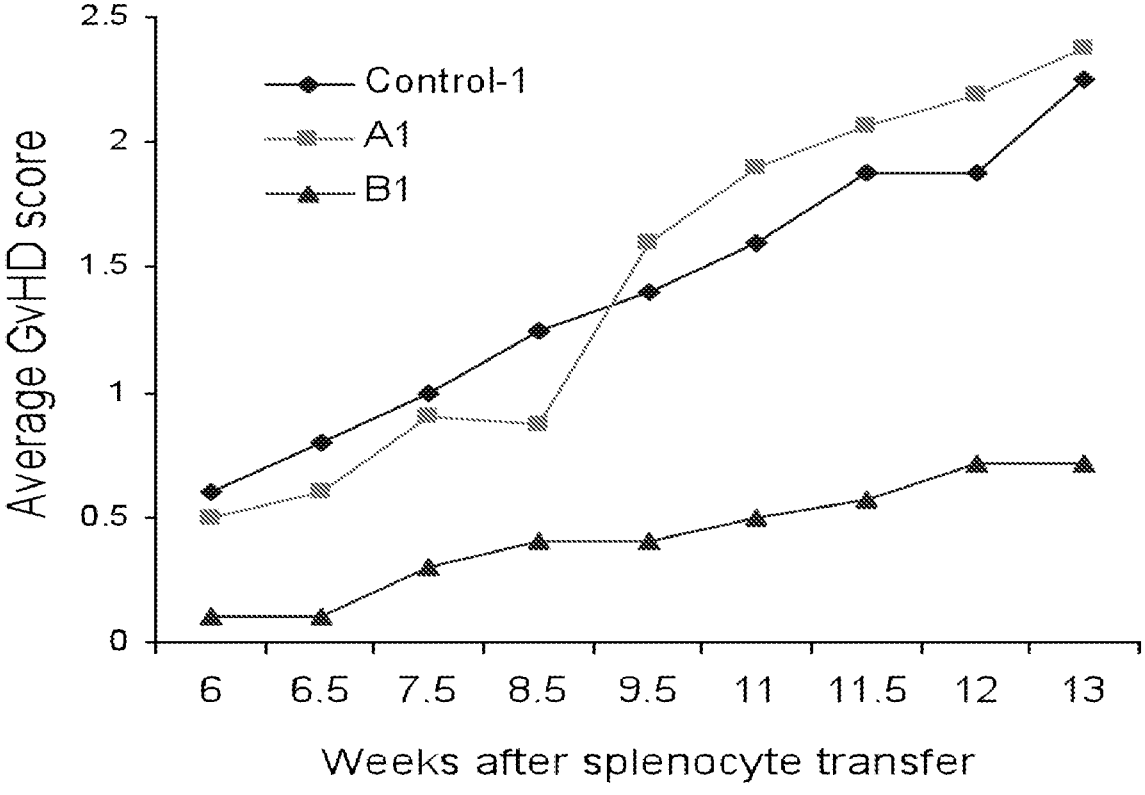

Average GvHD score
2.5
2
1.5
1
0.5
0
Control-1
A1
B1
6
6.5
7.5
8.5
9.5
11
11.5
12
13
Weeks after splenocyte transfer

Figure 6

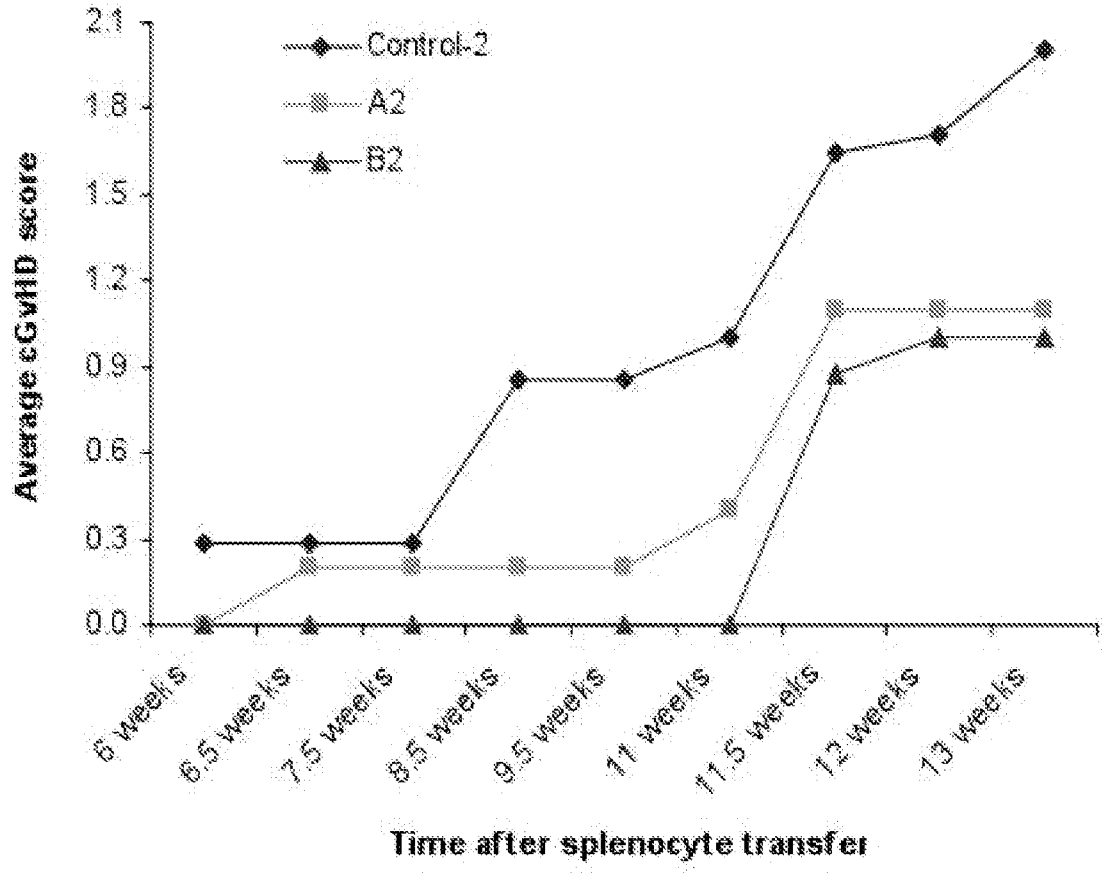

Control-2
A2
B2
Average cGvHD score
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0
6 weeks
6.5 weeks
7.5 weeks
8.5 weeks
9.5 weeks
11 weeks
11.5 weeks
12 weeks
13 weeks
Time after splenocyte transfer

Figure 7

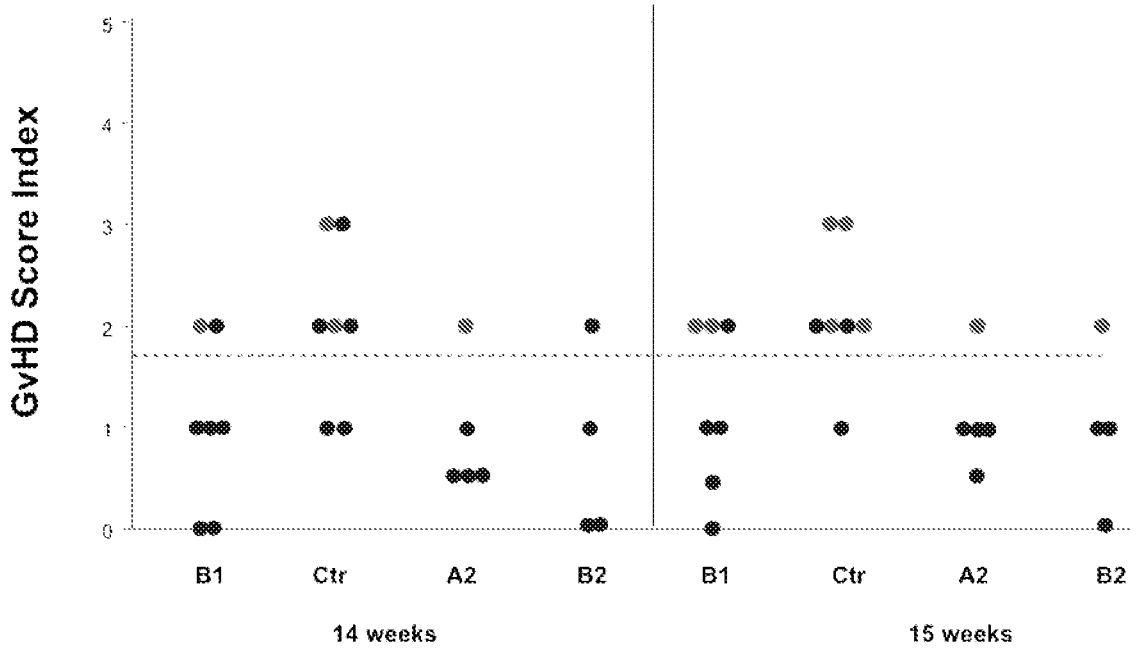

GvHD Score Index
5
4
3
2
1
0
B1
Ctr
A2
B2
B1
Ctr
A2
B2
14 weeks
15 weeks

Figure 8

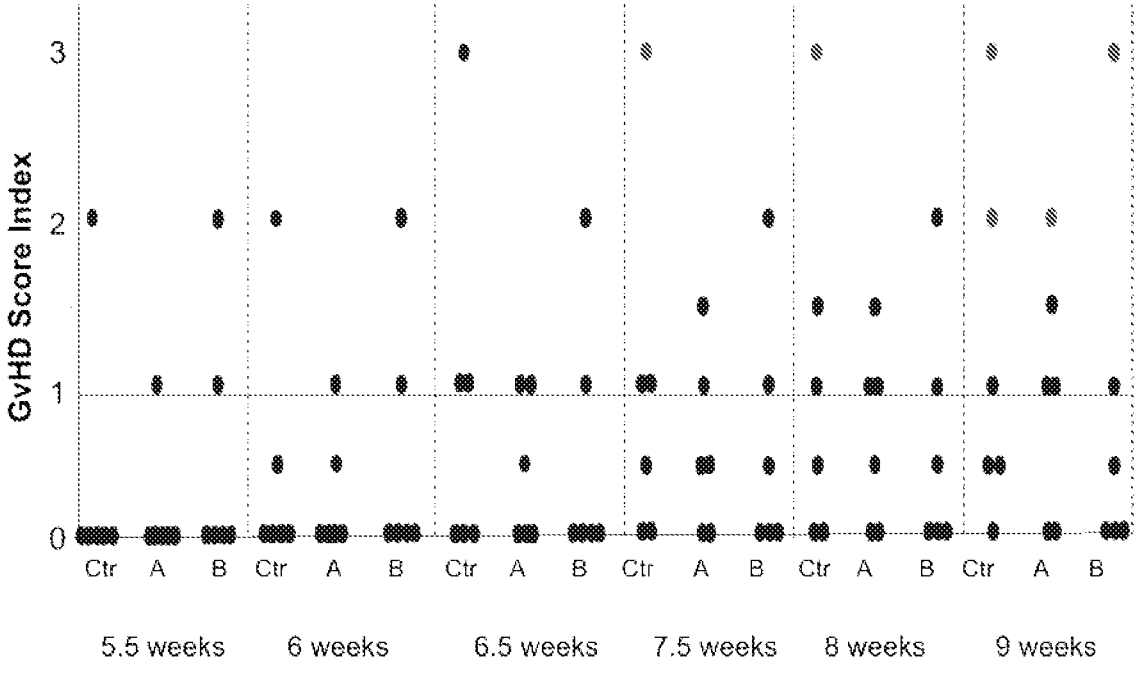

GvHD Score Index
3
2
1
0
Ctr A B Ctr A B Ctr A B Ctr A B Ctr A B Ctr A B
5.5 weeks
6 weeks
6.5 weeks
7.5 weeks
8 weeks
9 weeks

Figure 9

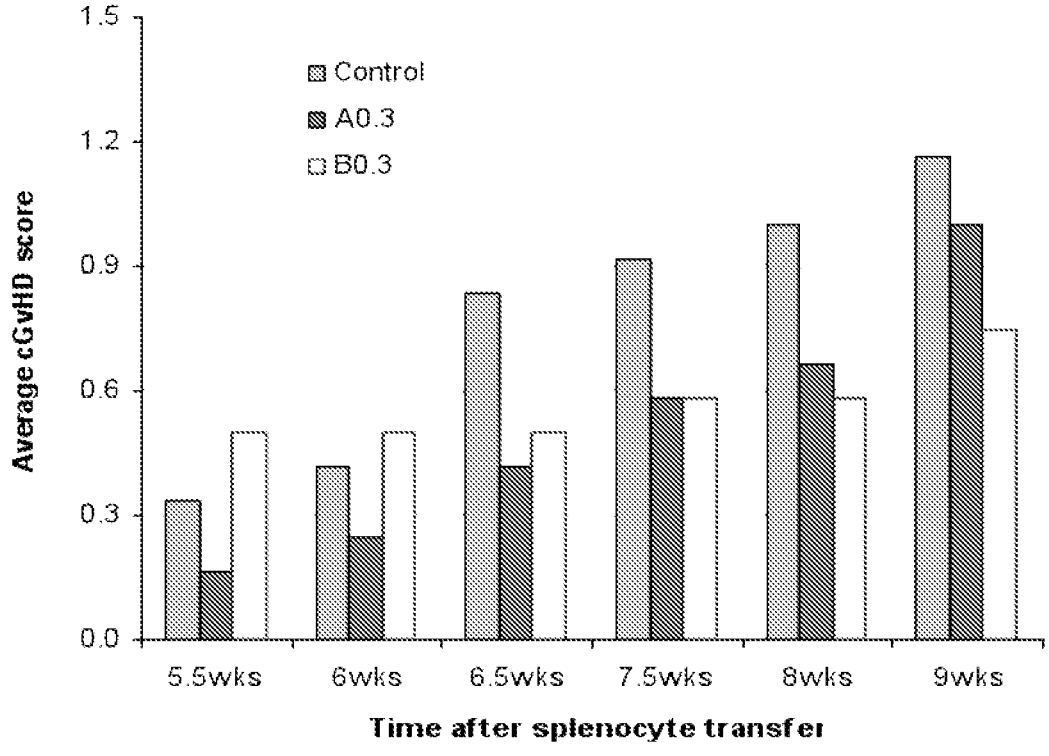

1.5
1.2
0.9
0.6
0.3
0.0
Average cGvHD score
Control
A0.3
B0.3
5.5wks
6wks
6.5wks
7.5wks
8wks
9wks
Time after splenocyte transfer

Figure 10