FIGURE 1

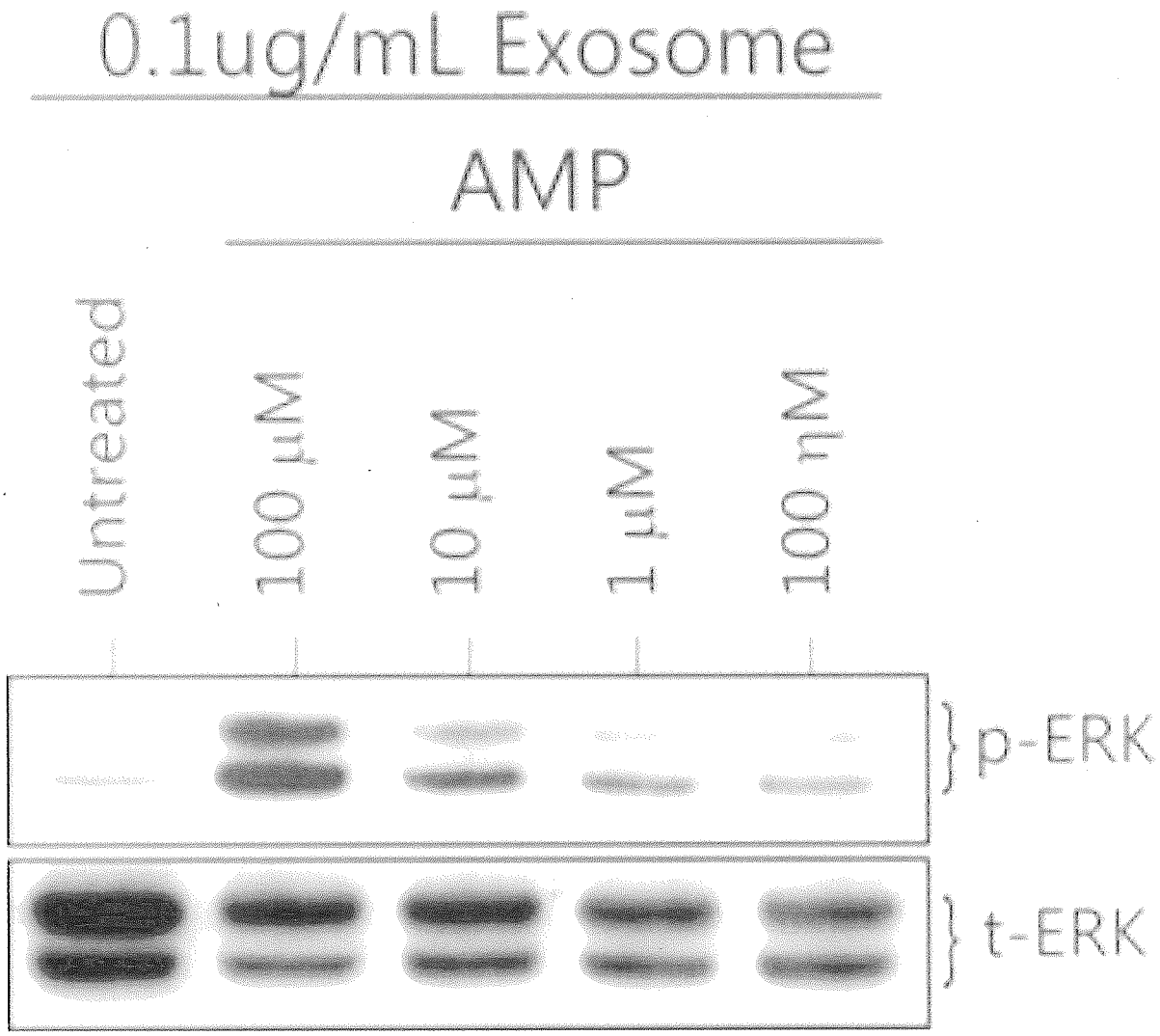

0.1ug/mL Exosome
AMP
Untreated
100 µM
10 µM
1 µM
100 nM
p-ERK
t-ERK

FIGURE 2

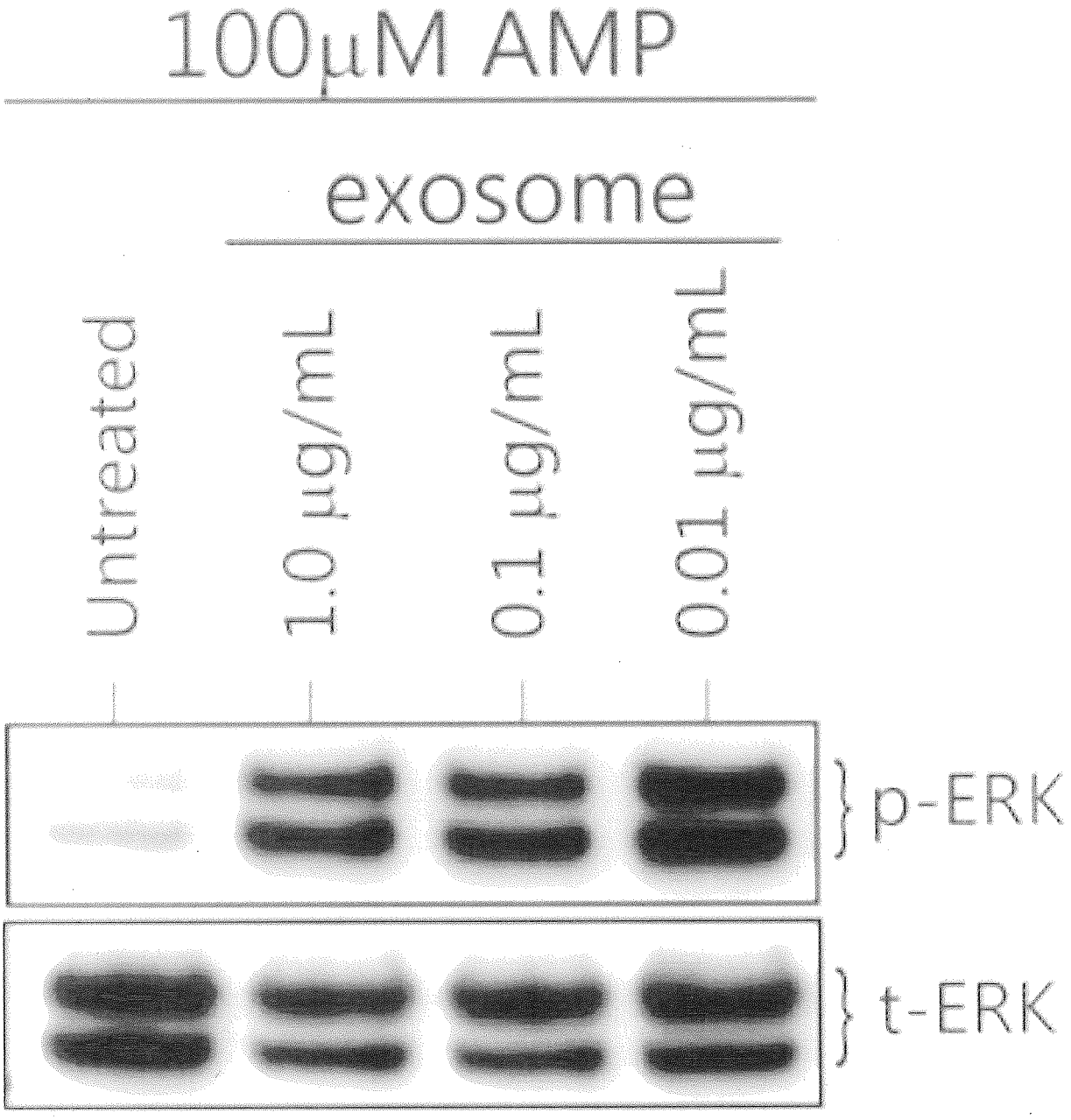

100μM AMP
exosome
Untreated
1.0 μg/mL
0.1 μg/mL
0.01 μg/mL
p-ERK
t-ERK

FIGURE 3A

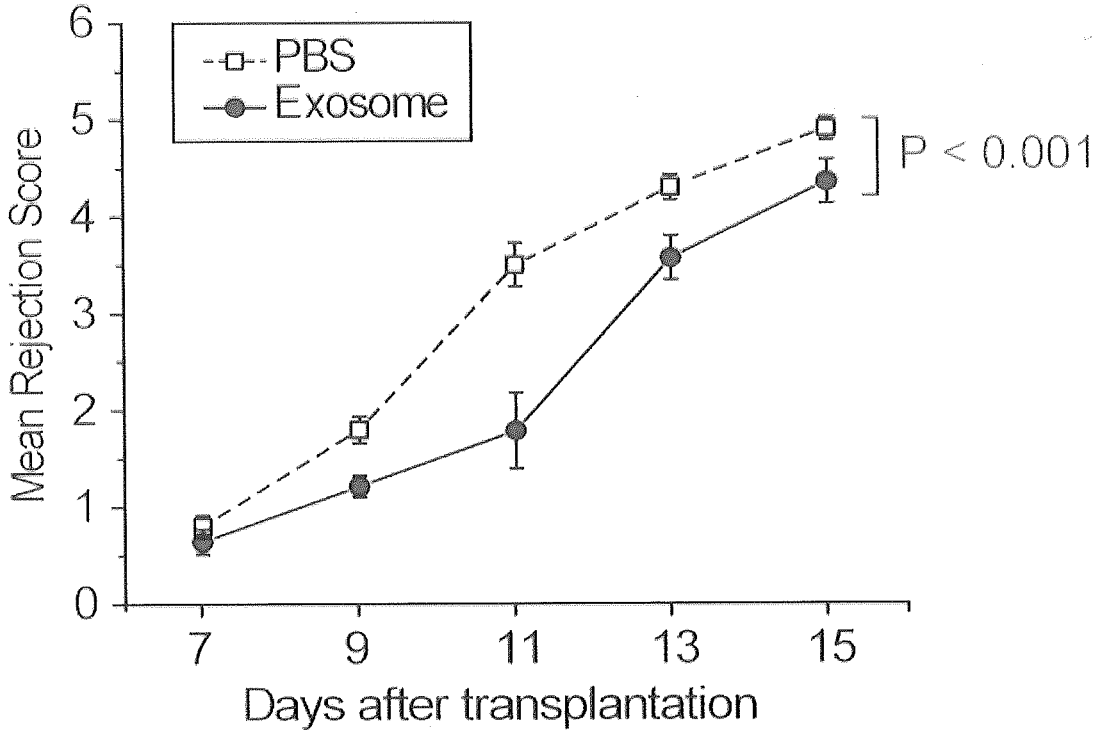

PBS
Exosome
Mean Rejection Score
0
1
2
3
4
5
6
7
9
11
13
15
Days after transplantation
P < 0.001

FIGURE 3B

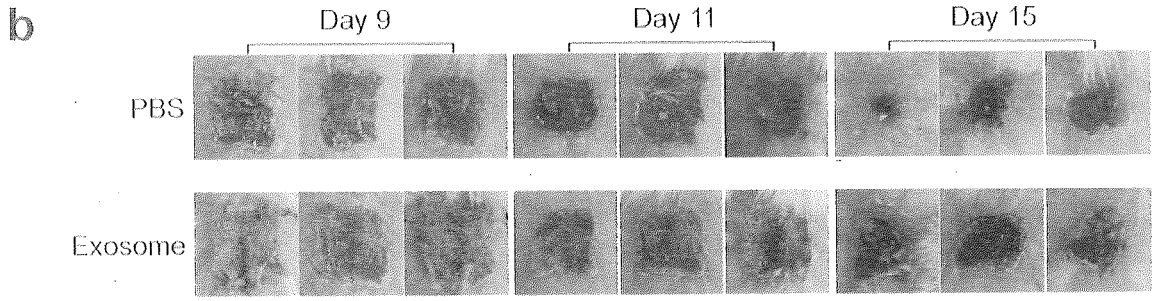


FIGURE 3C

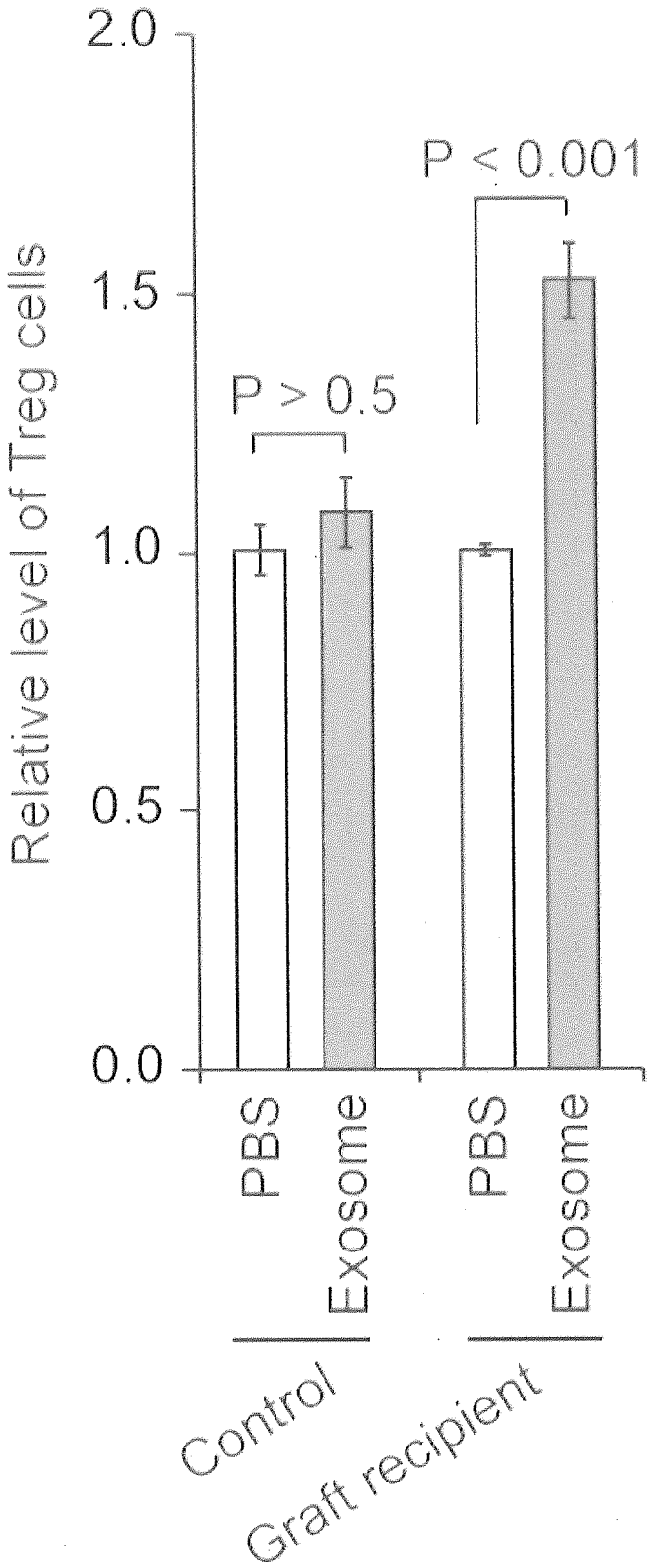

2.0
1.5
1.0
0.5
0.0
Relative level of Treg cells
P > 0.5
P < 0.001
PBS
Exosome
PBS
Exosome
Control
Graft recipient

FIGURE 3D

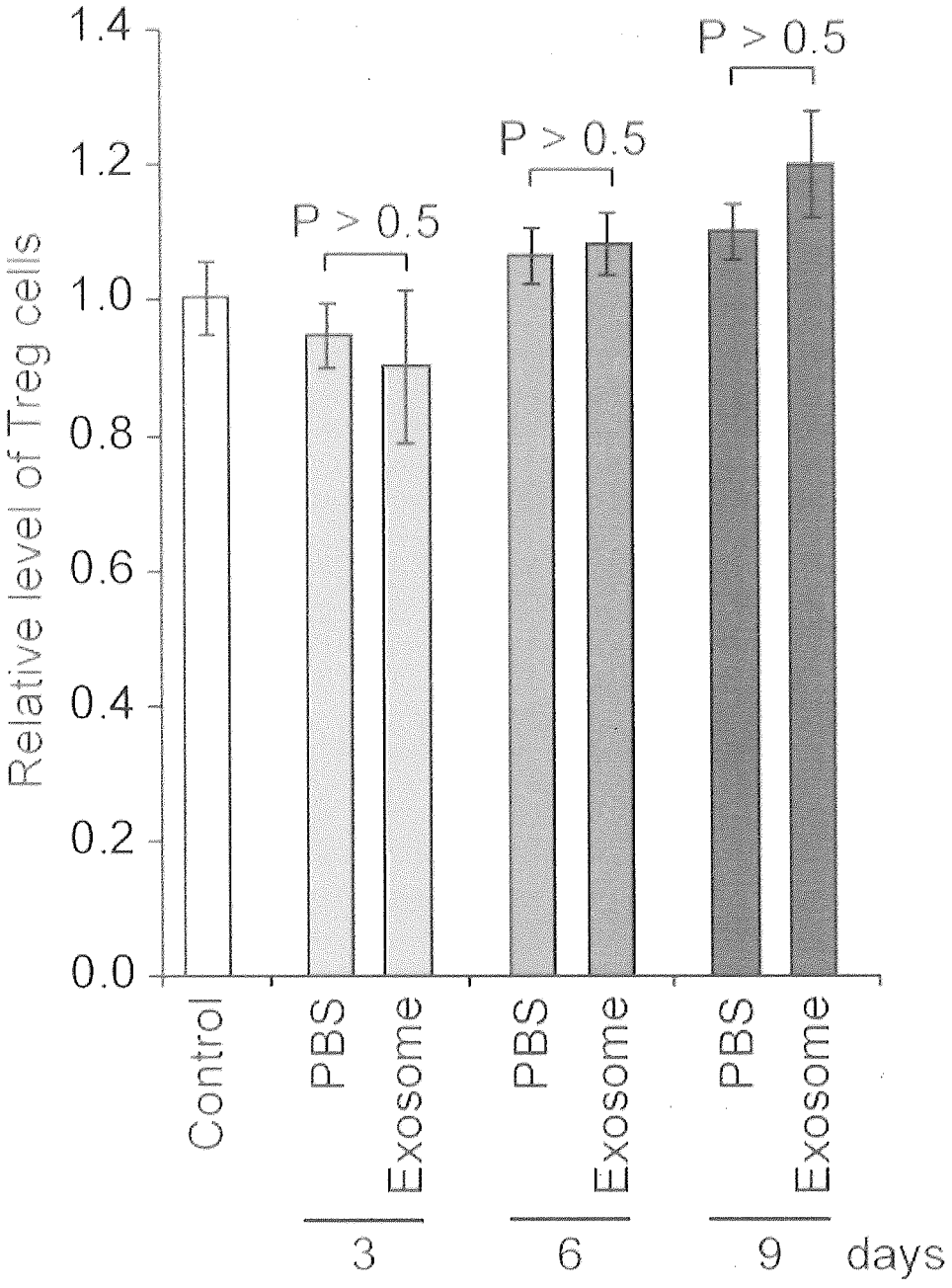

1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Relative level of Treg cells
P > 0.5
P > 0.5
P > 0.5
Control
PBS
Exosome
PBS
Exosome
PBS
Exosome
3
6
9
days

FIGURE 4

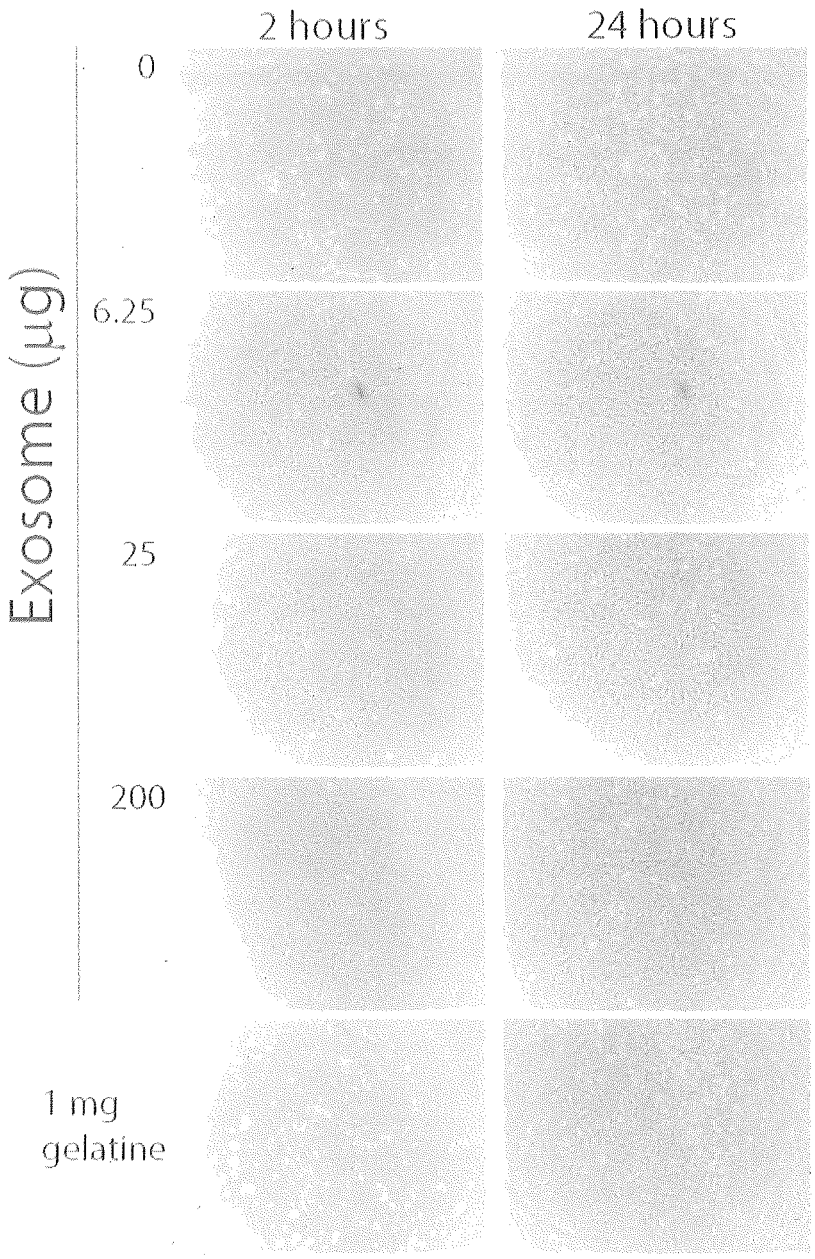


FIGURE 5

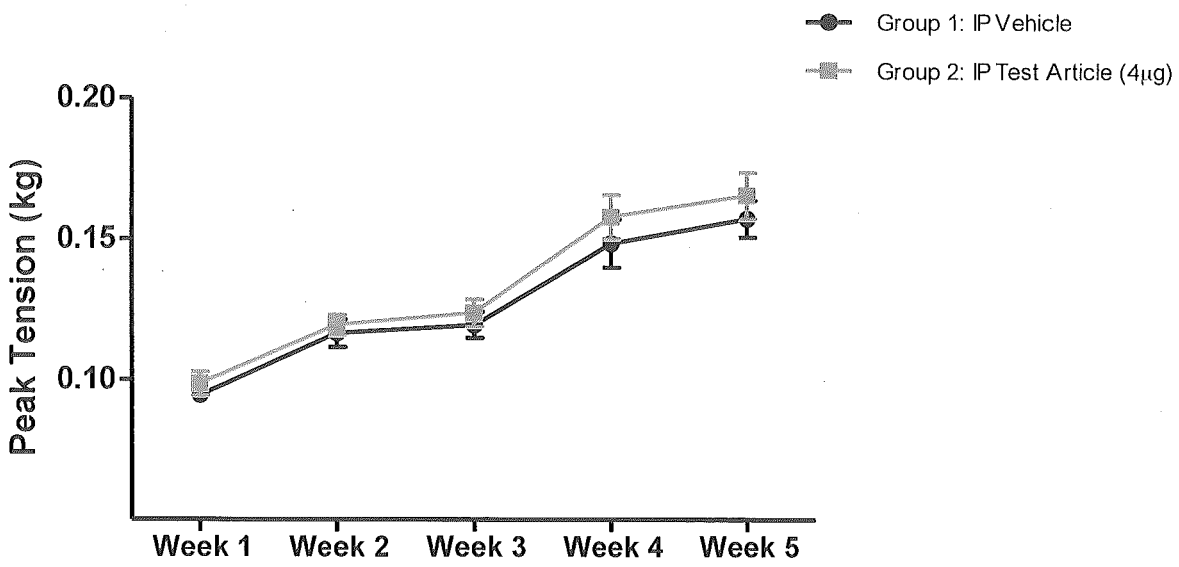

Group 1: IP Vehicle
Group 2: IP Test Article (4μg)
Peak Tension (kg)
0.20
0.15
0.10
Week 1
Week 2
Week 3
Week 4
Week 5

FIGURE 6A

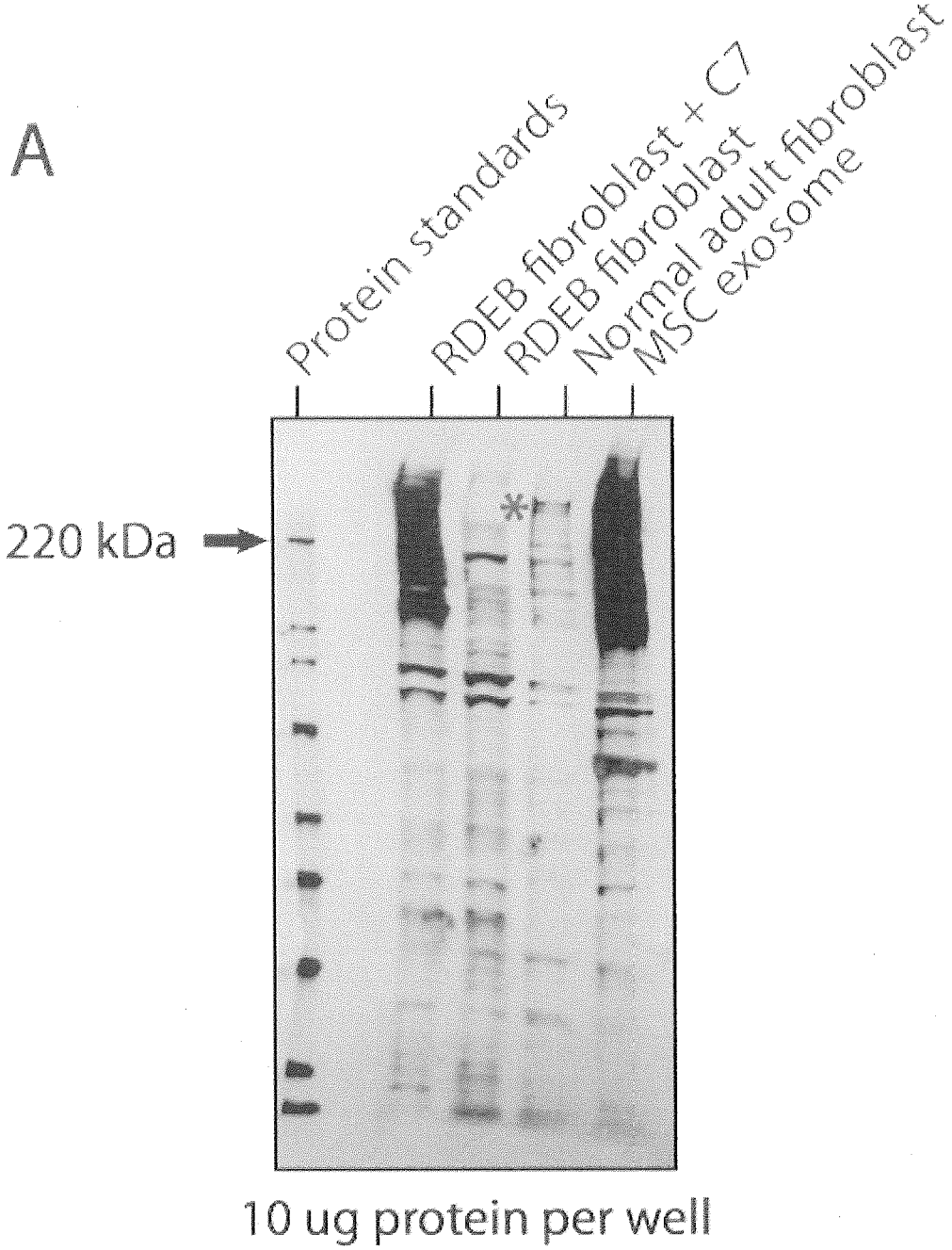

A
Protein standards
RDEB fibroblast + C7
RDEB fibroblast
Normal adult fibroblast
MSC exosome
220 kDa
*
10 ug protein per well

FIGURE 6B

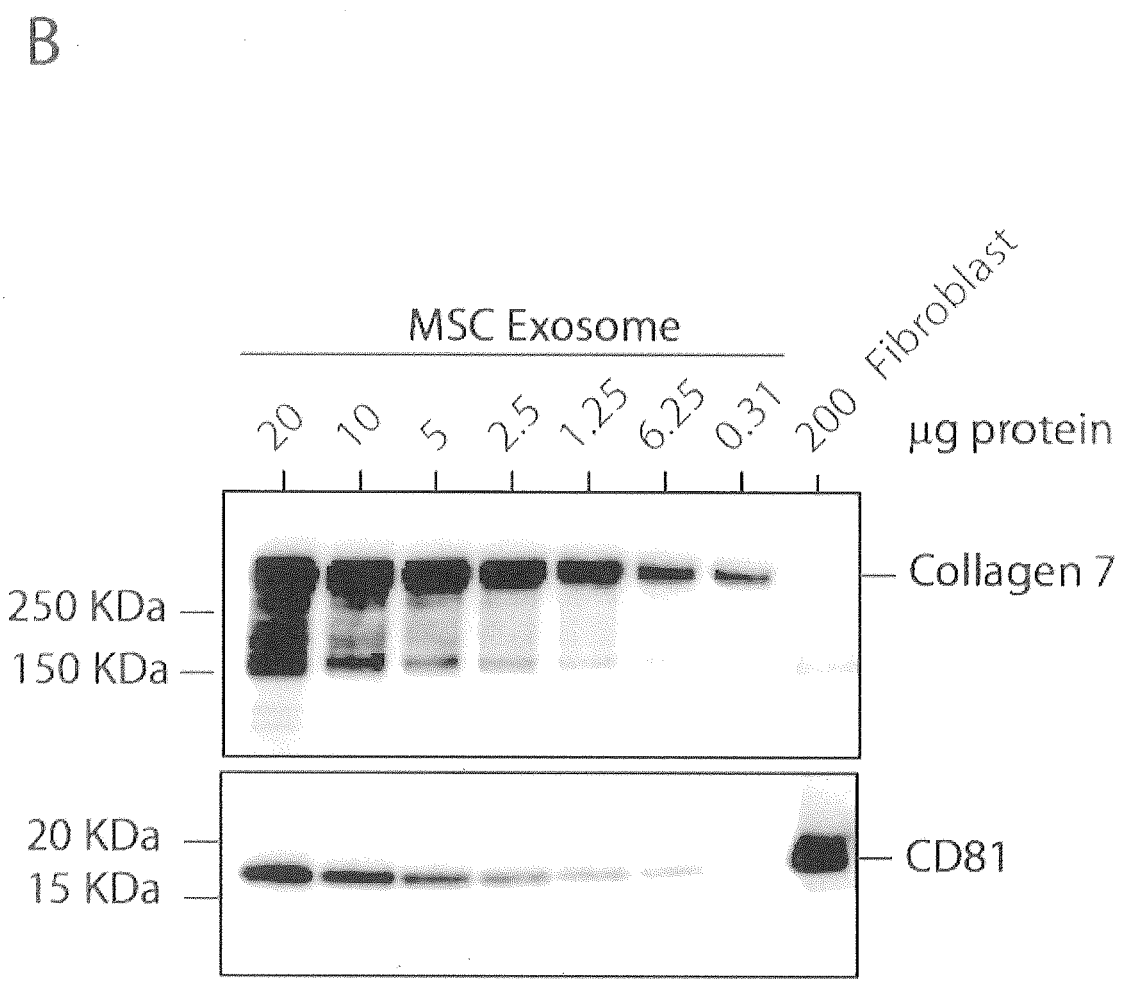

B
MSC Exosome
Fibroblast
20
10
5
2.5
1.25
6.25
0.31
200
µg protein
250 KDa
150 KDa
Collagen 7
20 KDa
15 KDa
CD81

FIGURE 7

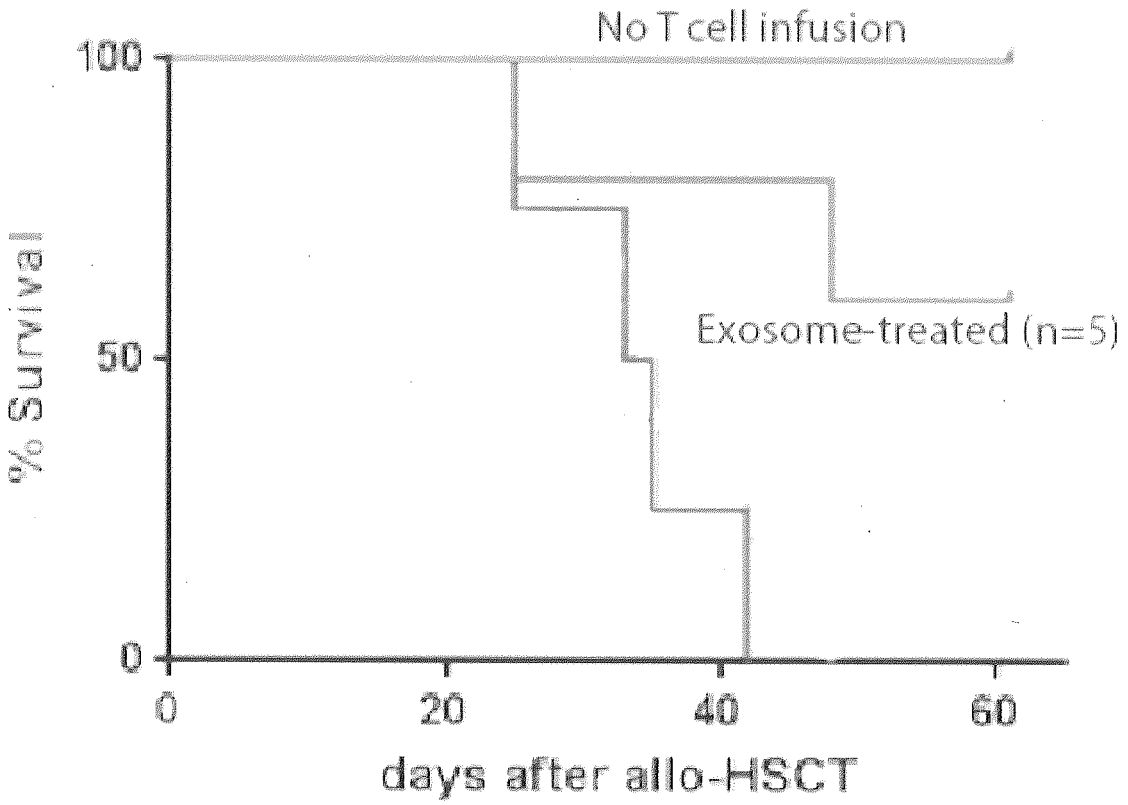
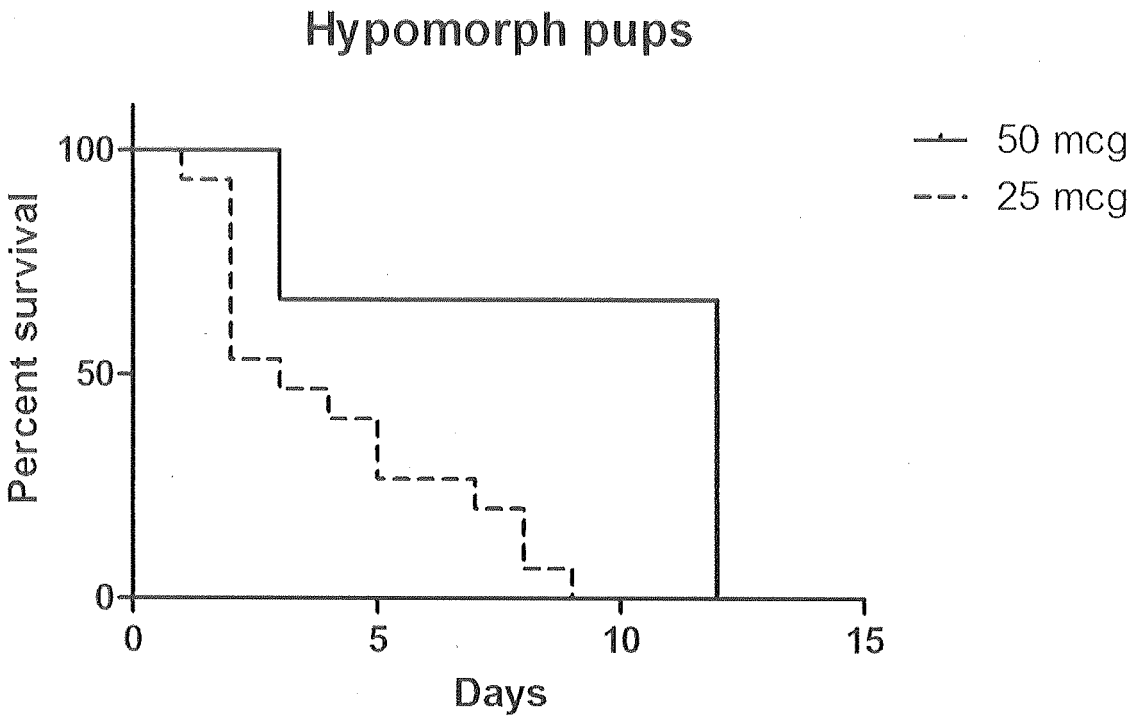

No T cell infusion
Exosome-treated (n=5)
100
50
0
% Survival
0
20
40
60
days after allo-HSCT

FIGURE 8


Hypomorph pups
Percent survival
100
50
0
0
5
10
15
Days
50 mcg
25 mcg