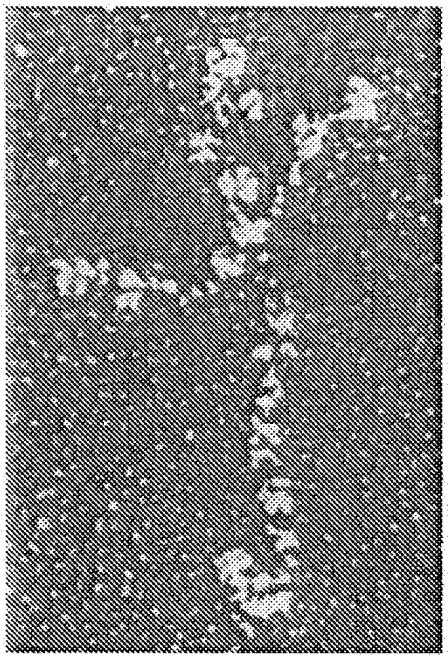


FIG. 1

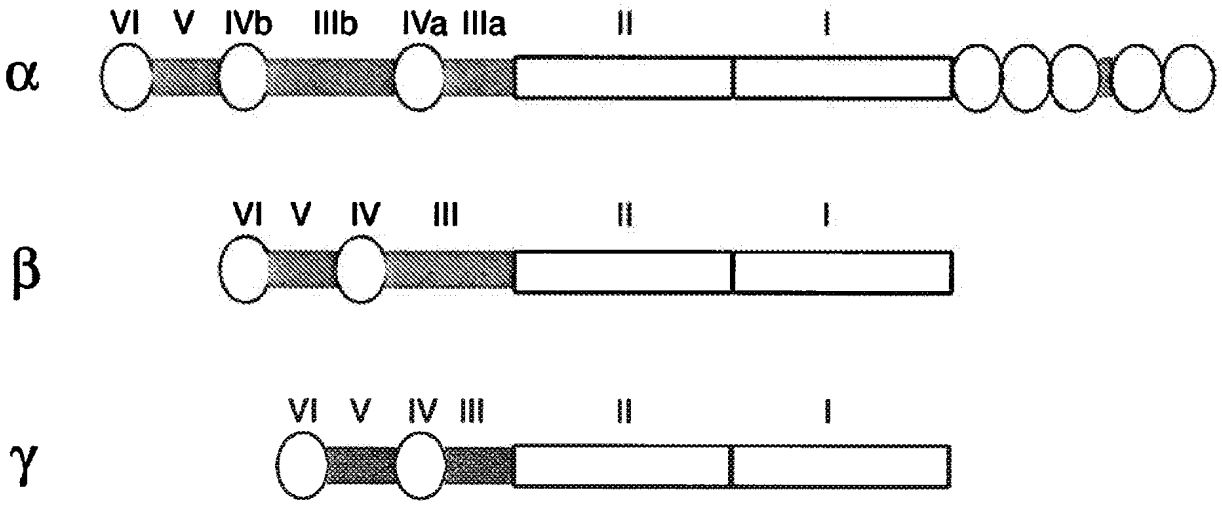


FIG. 2

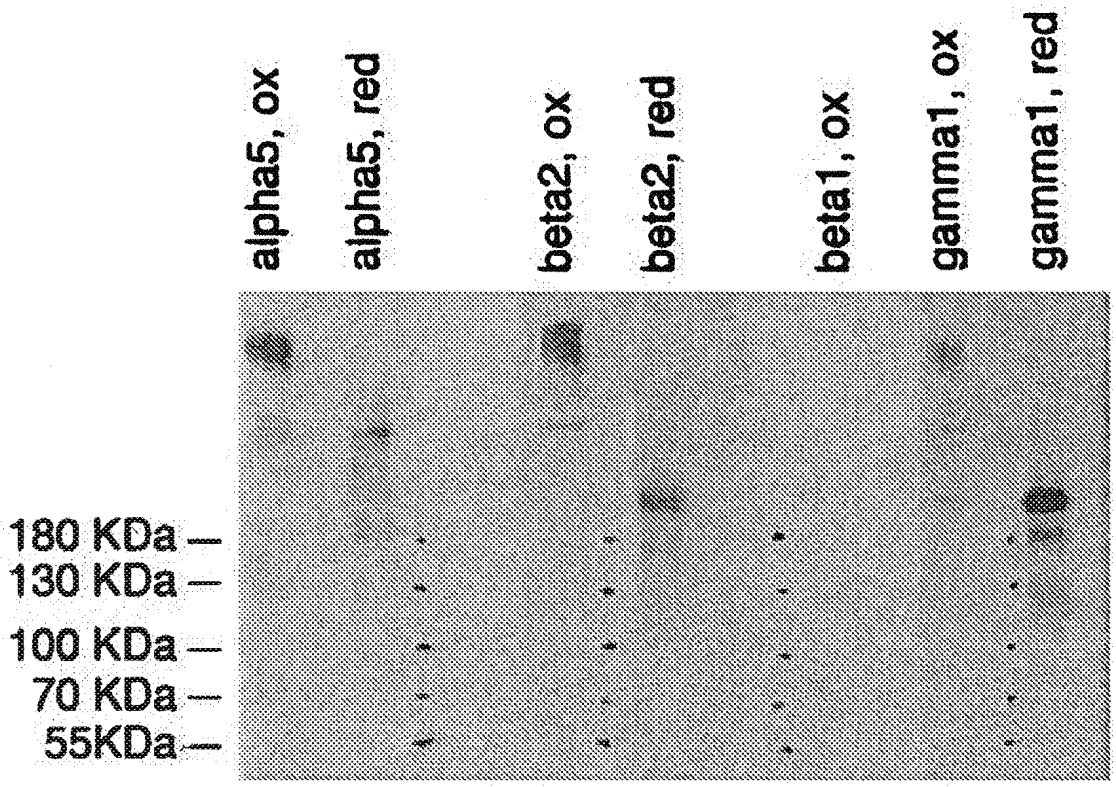

alpha5, ox
alpha5, red
beta2, ox
beta2, red
beta1, ox
gamma1, ox
gamma1, red
180 KDa
130 KDa
100 KDa
70 KDa
55KDa

FIG. 3

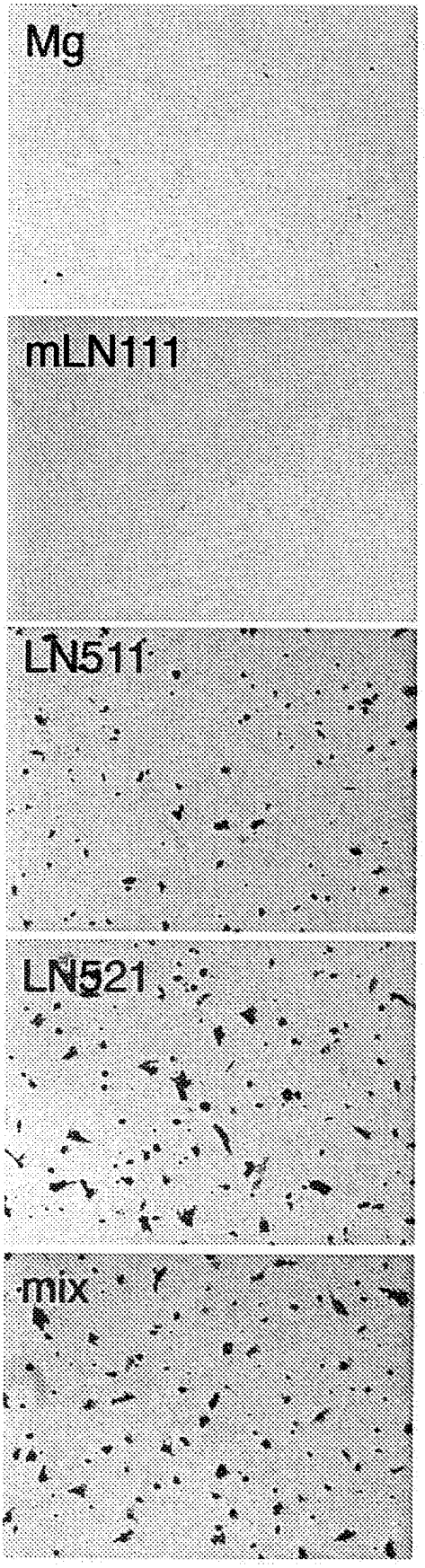


FIG. 4

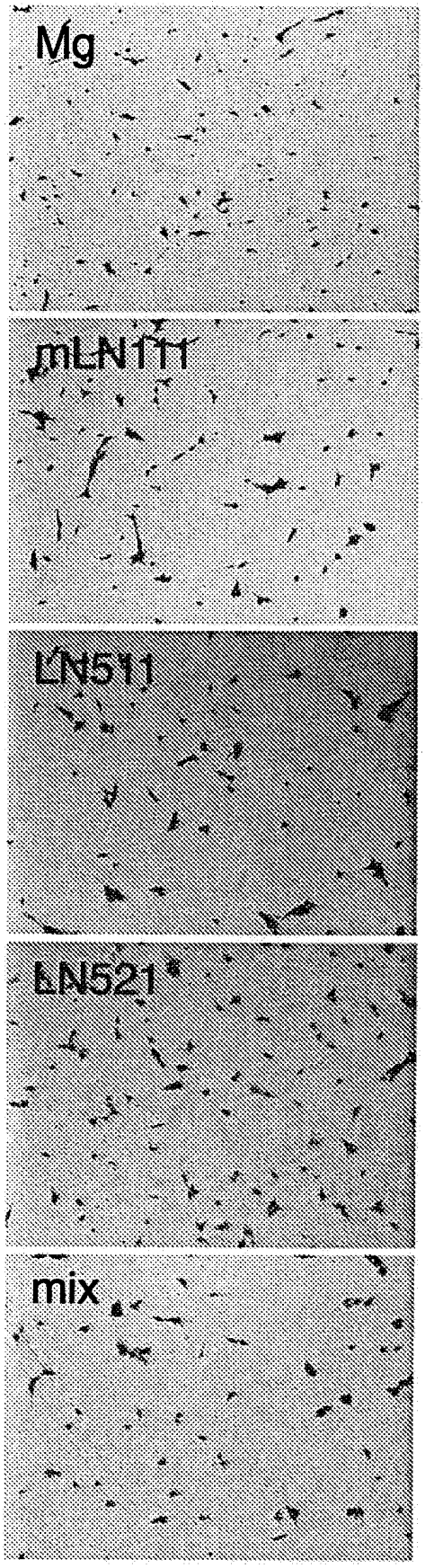


FIG. 5

FIG. 6

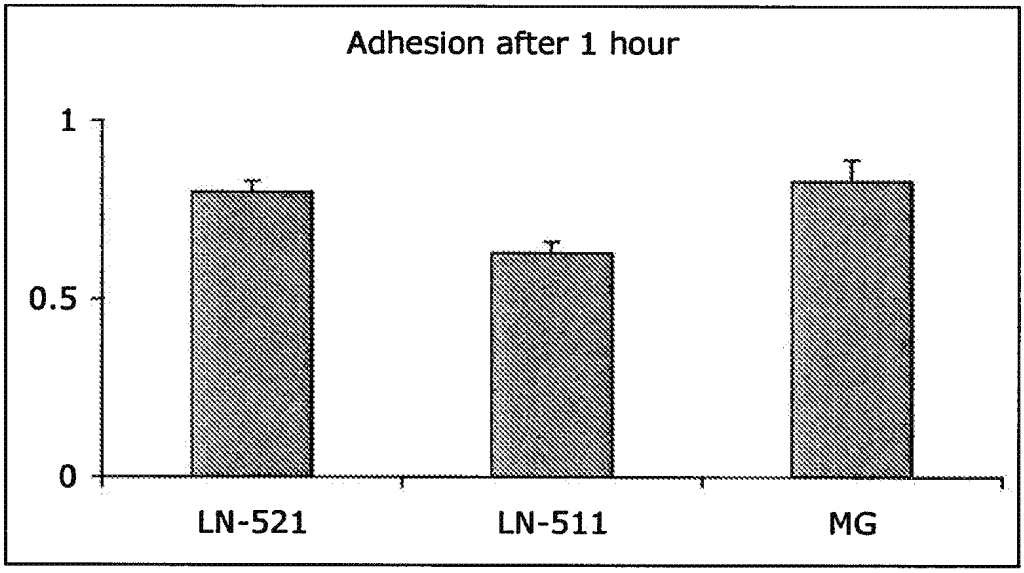
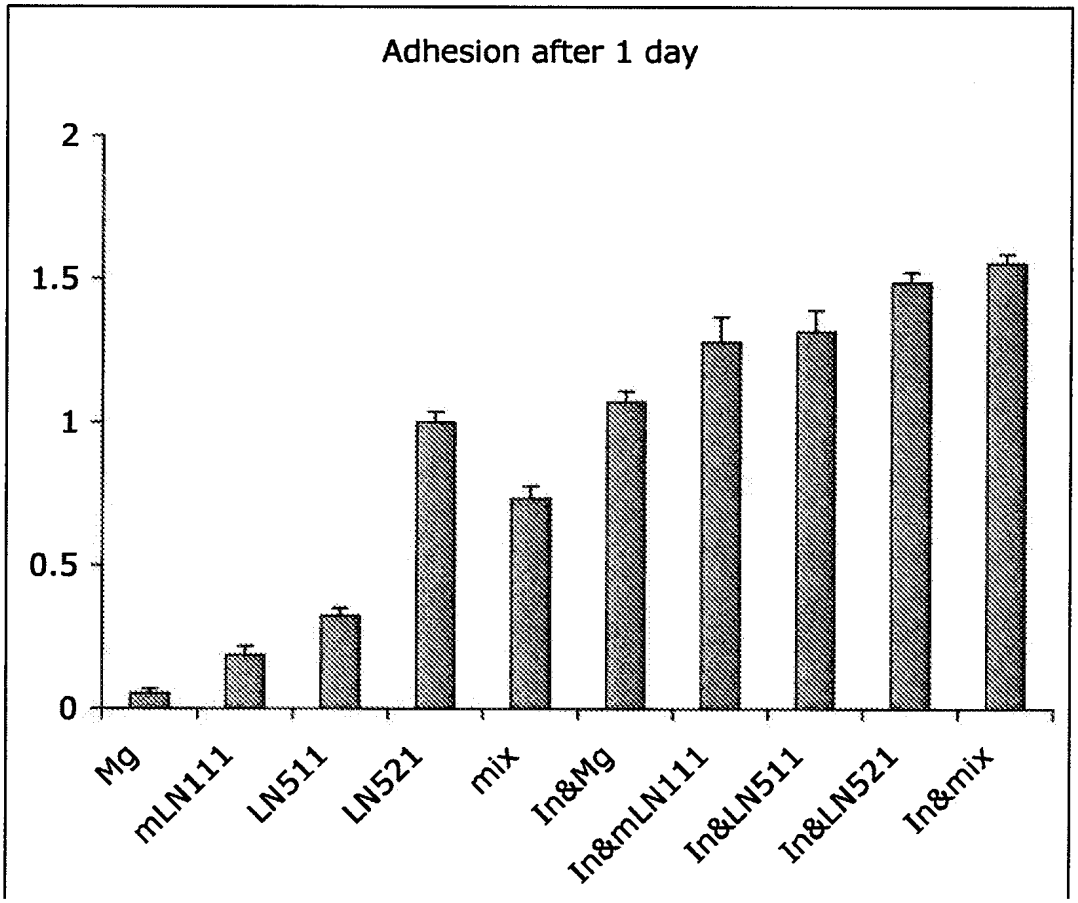

Adhesion after 1 hour
1
0.5
0
LN-521
LN-511
MG

FIG. 7


Adhesion after 1 day
2
1.5
1
0.5
0
Mg
mLN111
LN511
LN521
mix
In&Mg
In&mLN111
In&LN511
In&LN521
In&mix

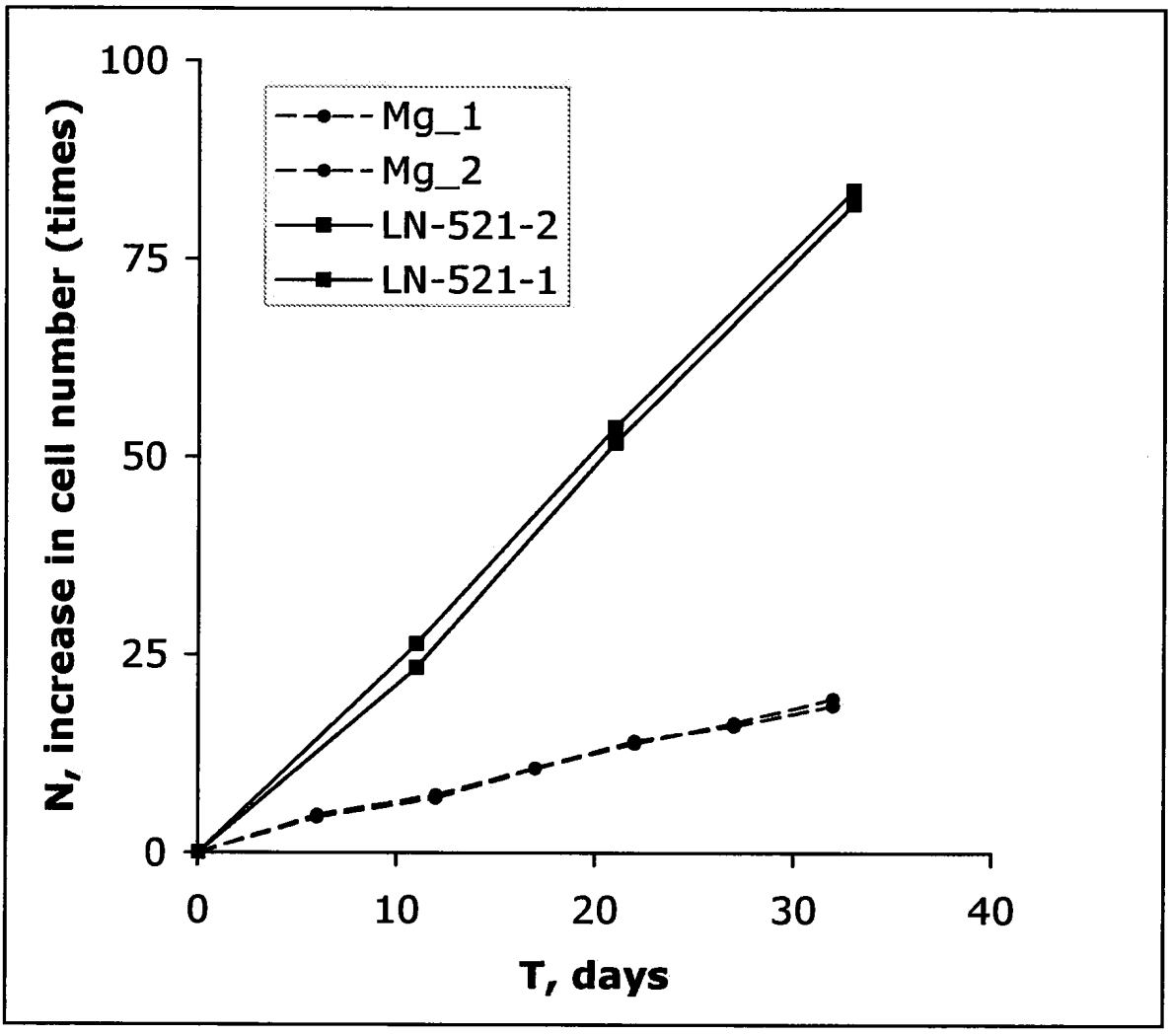

100
75
50
25
0
N, increase in cell number (times)
Mg_1
Mg_2
LN-521-2
LN-521-1
0
10
20
30
40
T, days

FIG. 8

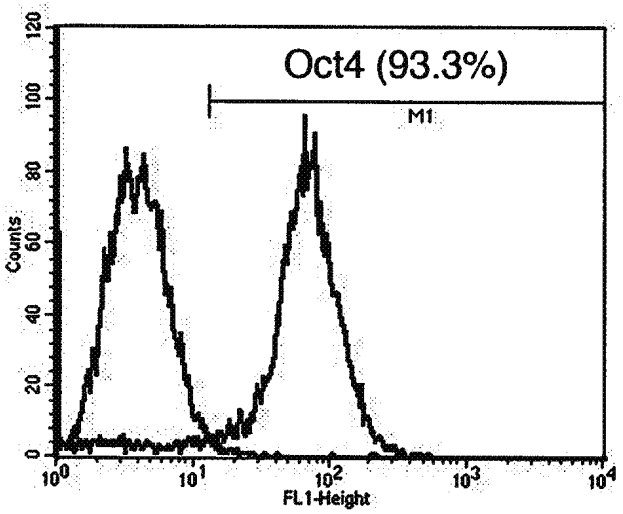


FIG. 9

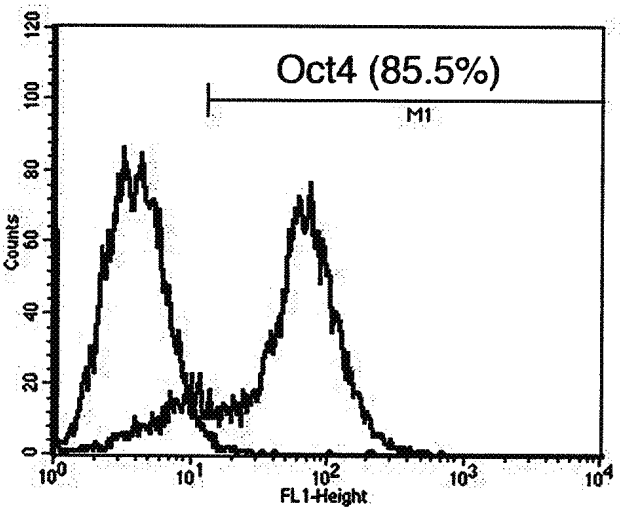


FIG. 10

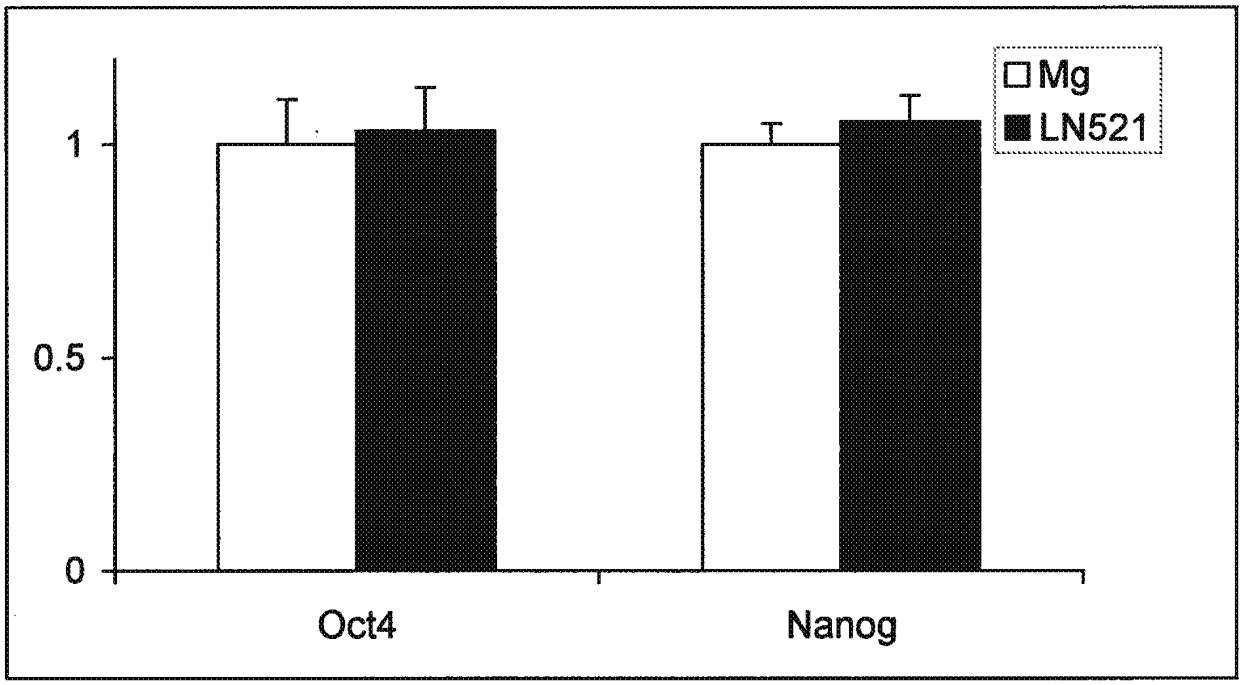


FIG. 11

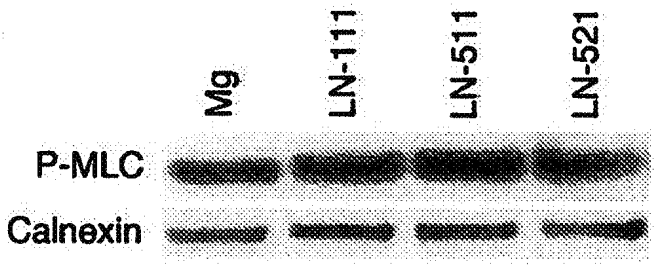

Mg
LN-111
LN-511
LN-521
P-MLC
Calnexin

FIG. 12

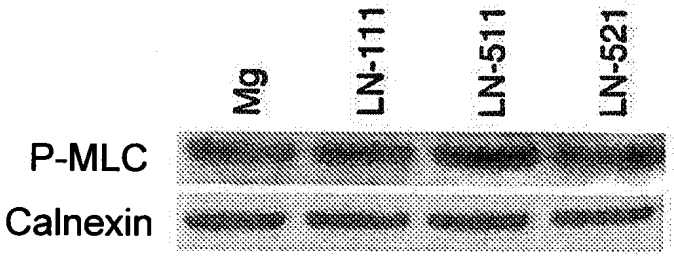

Mg
LN-111
LN-511
LN-521
P-MLC
Calnexin

FIG. 13

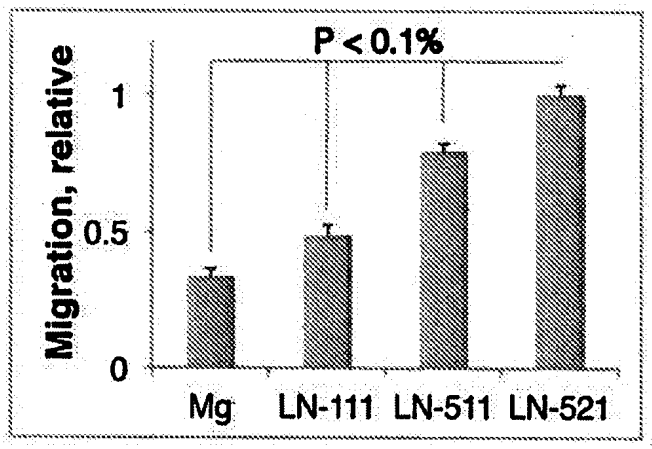

P < 0.1%
Migration, relative
1
0.5
0
Mg
LN-111
LN-511
LN-521

FIG. 14

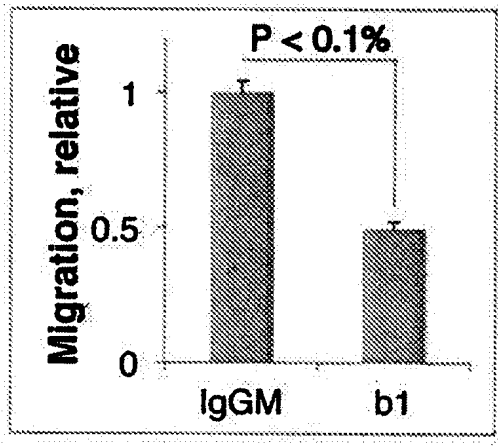

P < 0.1%
Migration, relative
1
0.5
0
IgGM
b1

FIG. 15

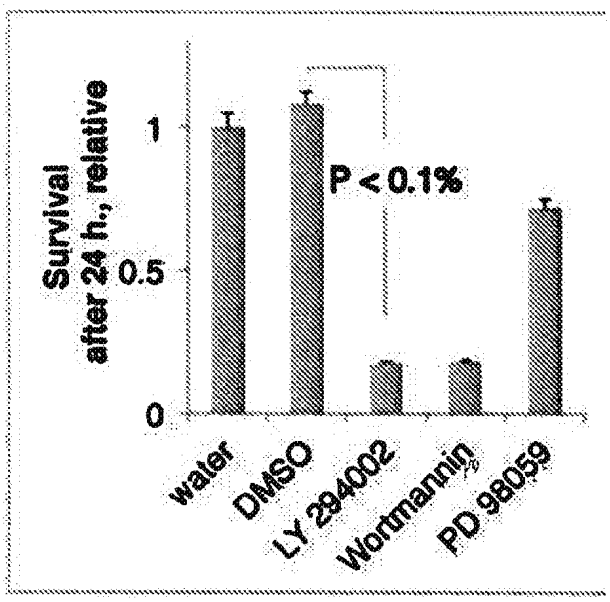

Survival after 24 h., relative
1
0.5
0
P < 0.1%
water
DMSO
LY 294002
Wortmannin
PD 98059

FIG. 16

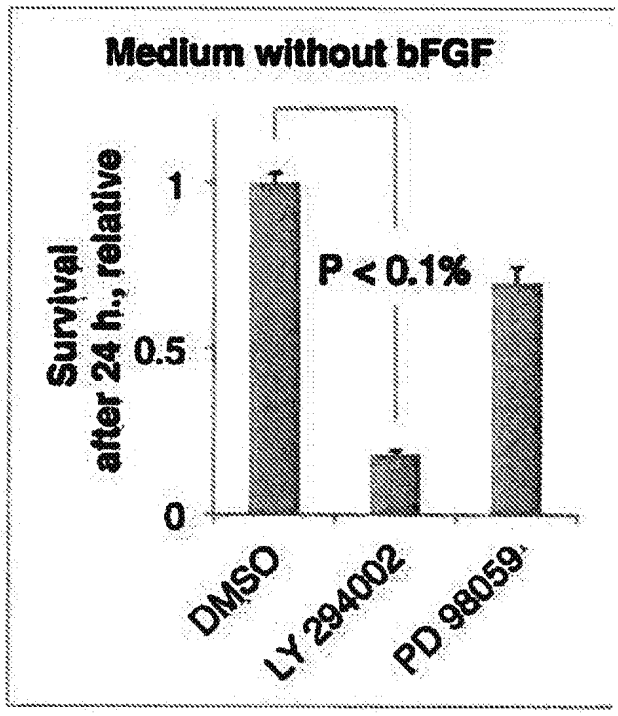

Medium without bFGF
Survival after 24 h., relative
1
0.5
0
P < 0.1%
DMSO
LY 294002
PD 98059

FIG. 17

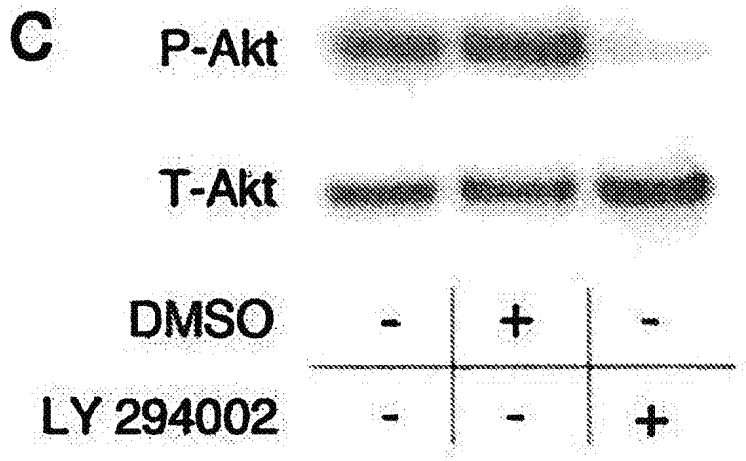


FIG. 18

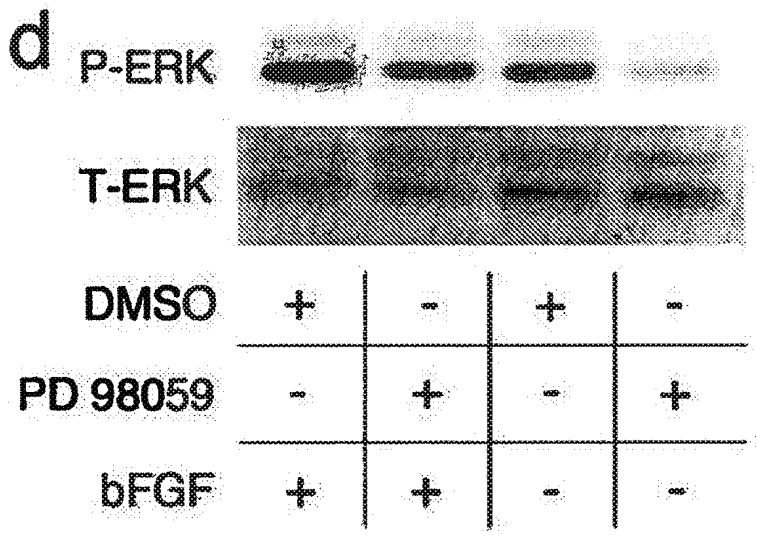


FIG. 19

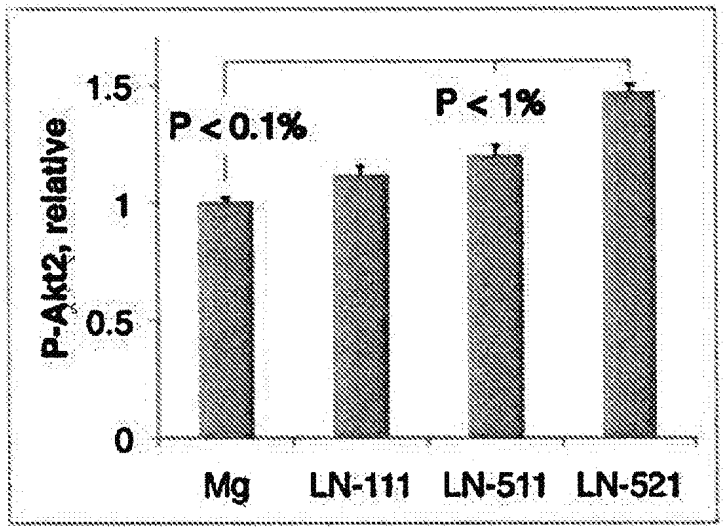

P-Akt2, relative
1.5
1
0.5
0
P < 0.1%
P < 1%
Mg
LN-111
LN-511
LN-521

FIG. 20

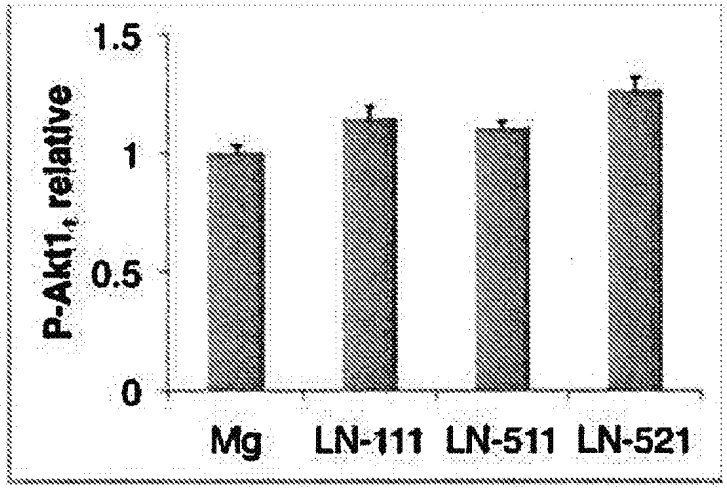

P-Akt1, relative
1.5
1
0.5
0
Mg
LN-111
LN-511
LN-521

FIG. 21

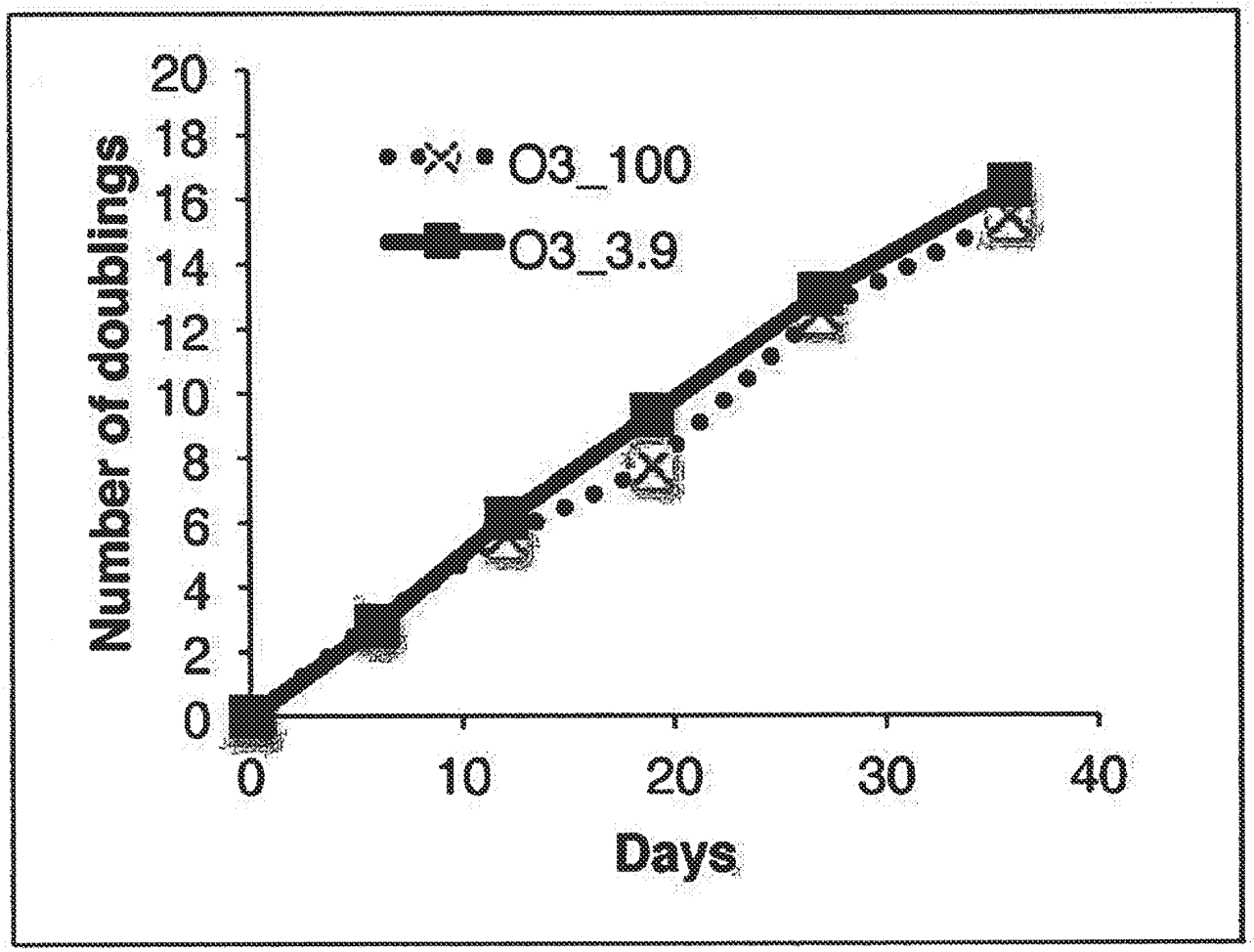

Number of doublings
20
18
16
14
12
10
8
6
4
2
0
O3_100
O3_3.9
0
10
20
30
40
Days

FIG. 22

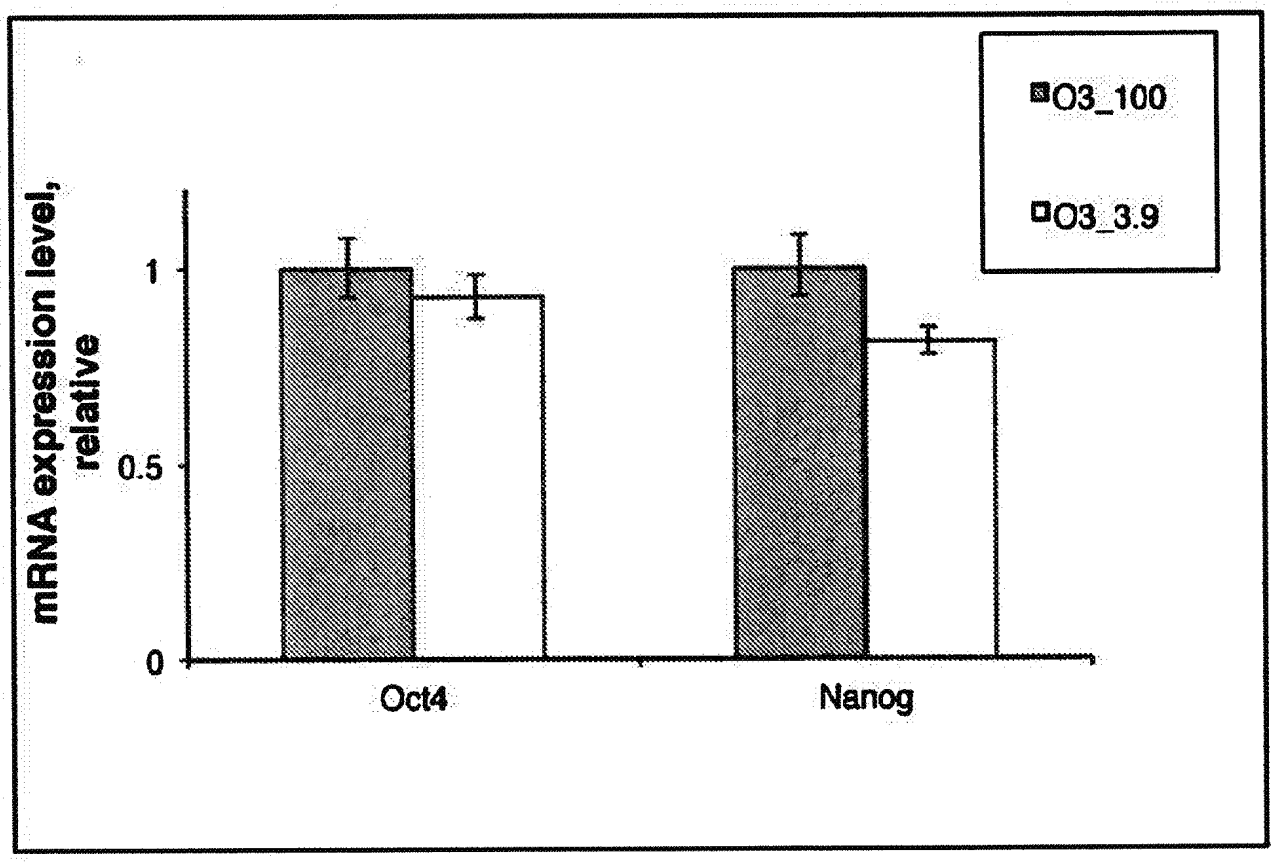


FIG. 23

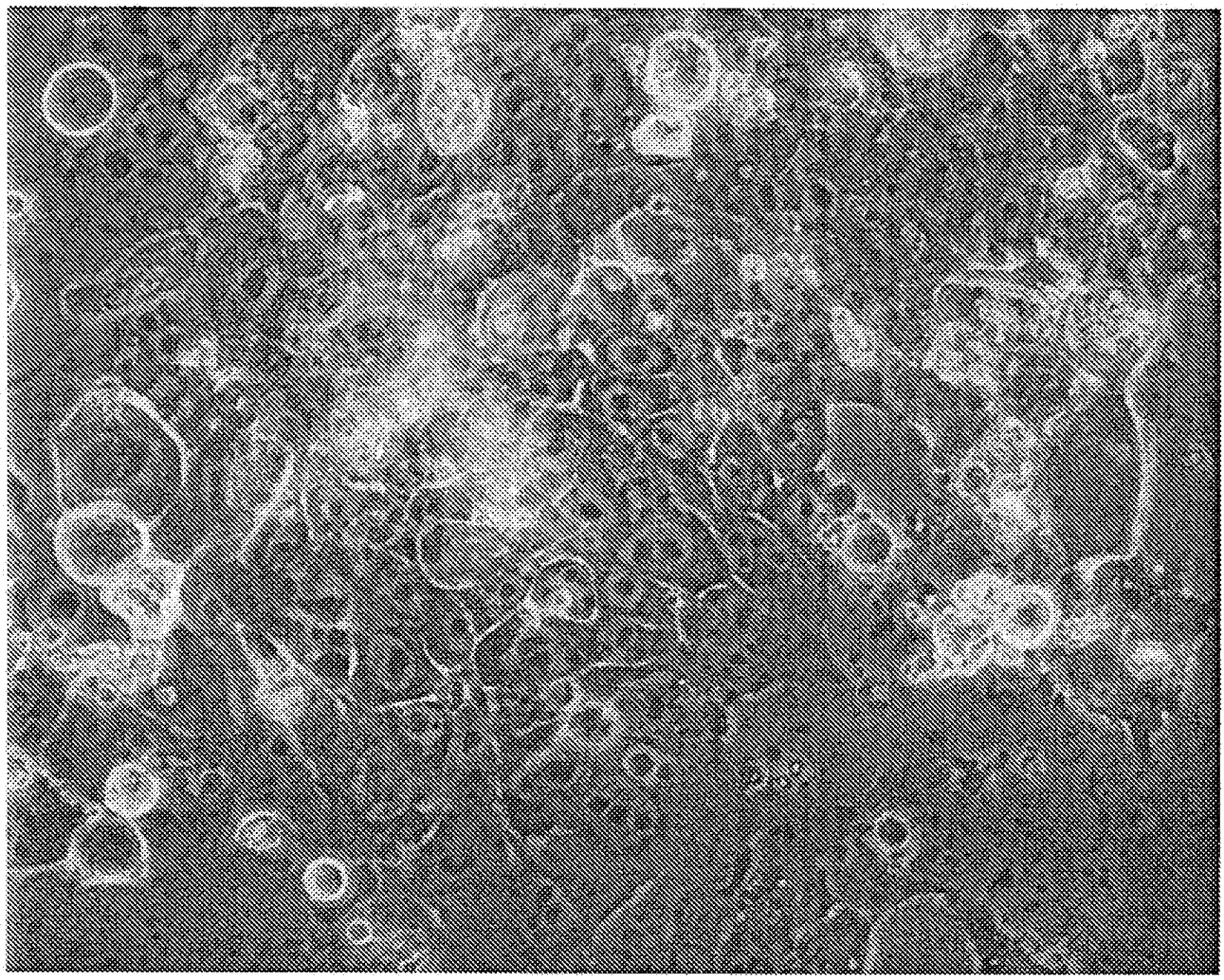


FIG. 24