Fig 1

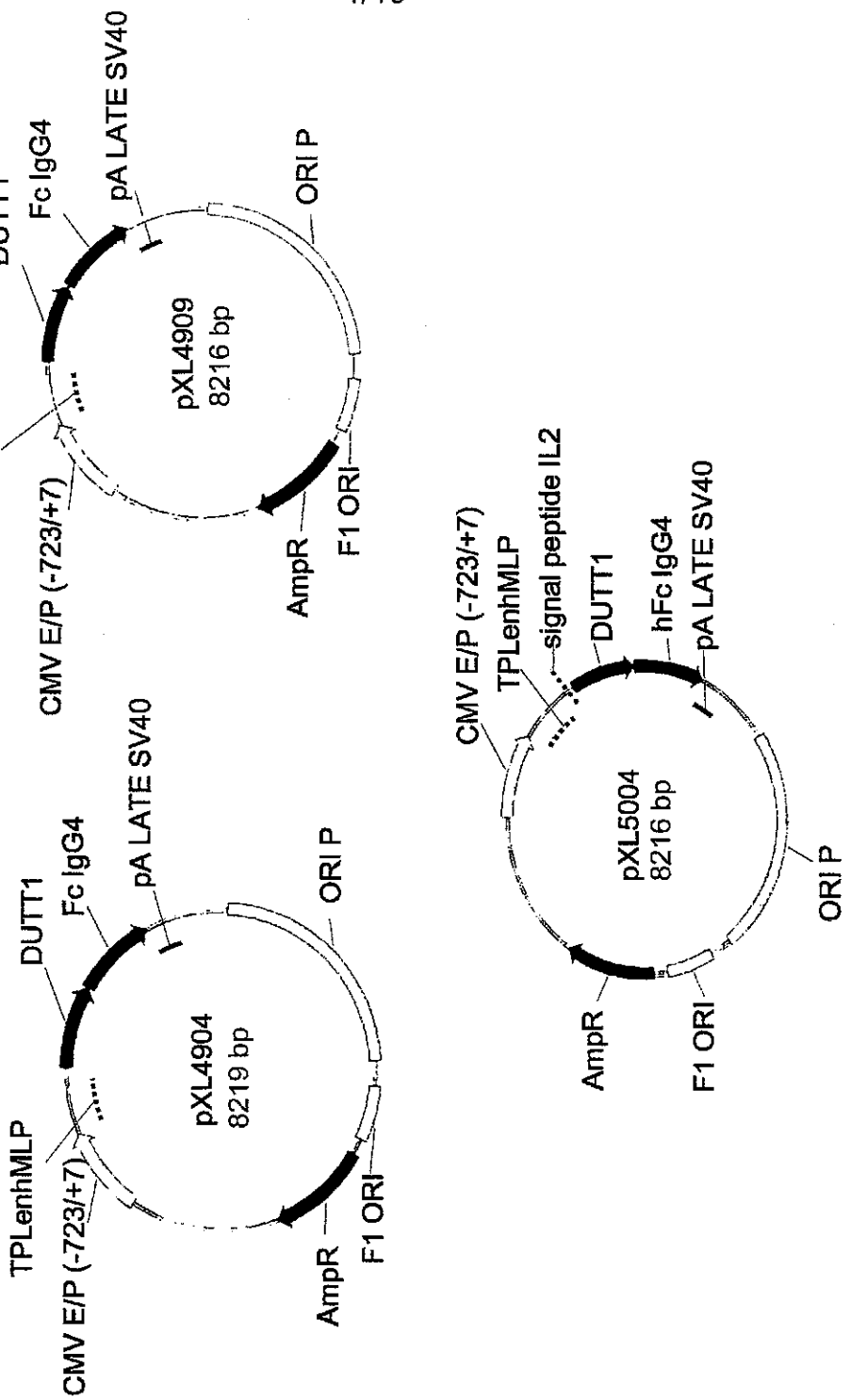

pXL4909
8216 bp
CMV E/P (-723/+7)
TPLenhMLP
DUTT1
Fc IgG4
pA LATE SV40
ORI P
AmpR
F1 ORI
pXL4904
8219 bp
pXL5004
8216 bp
signal peptide IL2
hFc IgG4

Fig 2

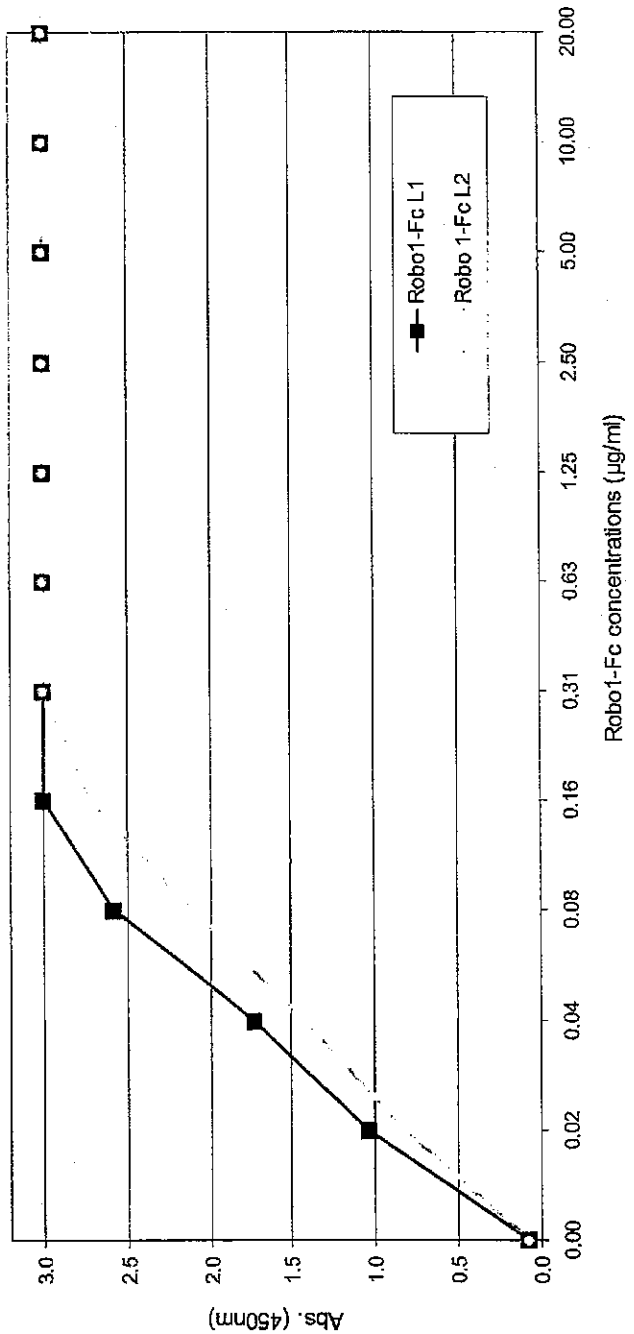

Abs. (450nm)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.08
0.16
0.31
0.63
1.25
2.50
5.00
10.00
20.00
Robo1-Fc concentrations (µg/ml)
Robo1-Fc L1
Robo 1-Fc L2

Fig 3

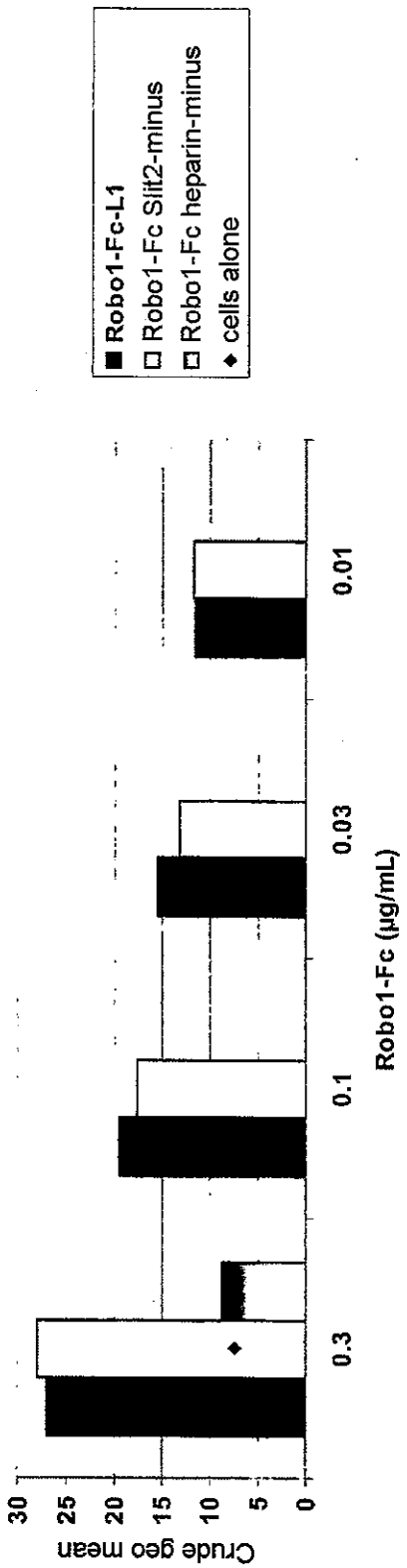

Robo1-Fc-L1
Robo1-Fc Slit2-minus
Robo1-Fc heparin-minus
cells alone
Crude geo mean
0
5
10
15
20
25
30
0.3
0.1
0.03
0.01
Robo1-Fc (µg/mL)

Fig 4

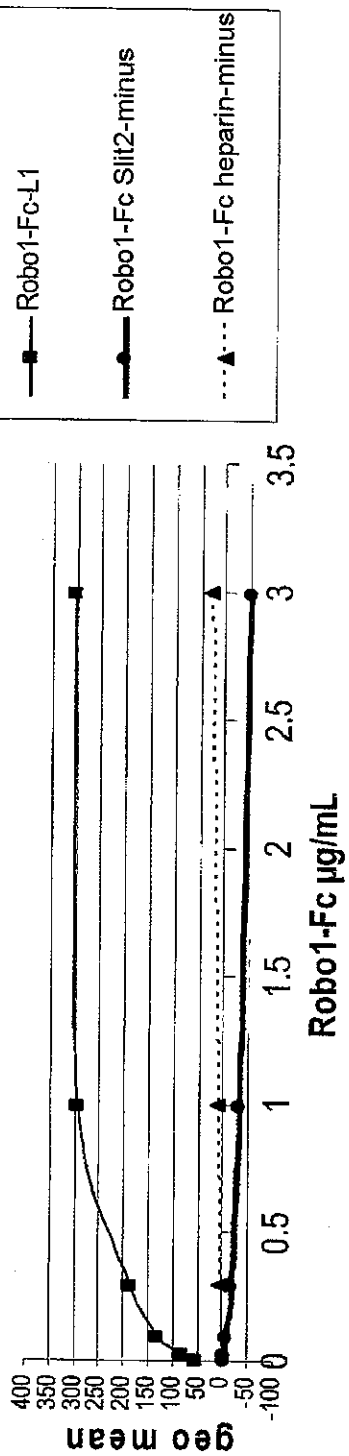

Robo1-Fc-L1
Robo1-Fc Slit2-minus
Robo1-Fc heparin-minus
geo mean
400
350
300
250
200
150
100
50
0
-50
-100
0
0,5
1
1,5
2
2,5
3
3,5
Robo1-Fc µg/mL

Fig 5-A

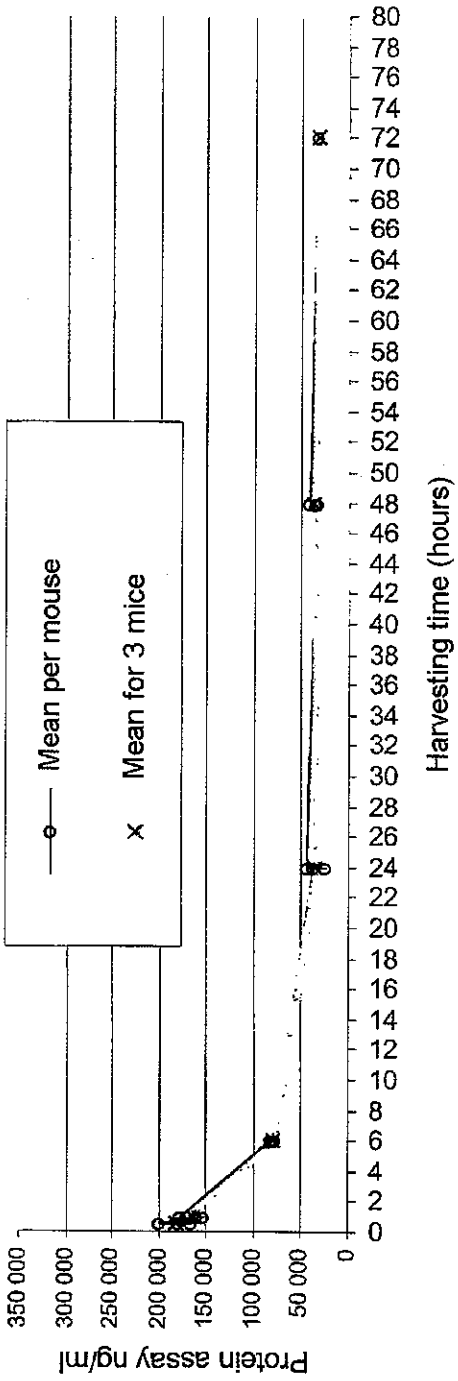
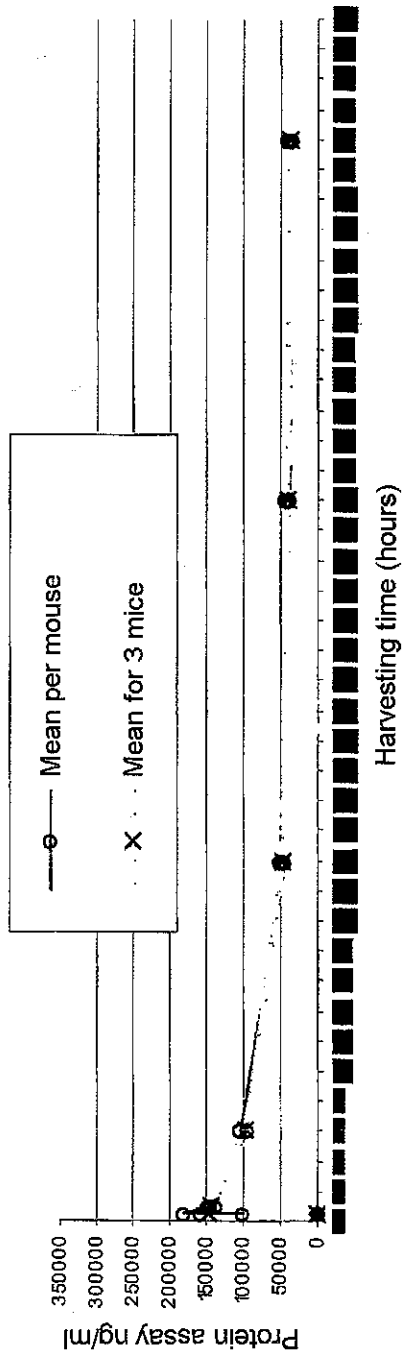

Protein assay ng/ml
350 000
300 000
250 000
200 000
150 000
100 000
50 000
0
Harvesting time (hours)
80
78
76
74
72
70
68
66
64
62
60
58
56
54
52
50
48
46
44
42
40
38
36
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
Mean per mouse
Mean for 3 mice

Fig 5-B


Mean per mouse
Mean for 3 mice
Harvesting time (hours)
Protein assay ng/ml
350000
300000
250000
200000
150000
100000
50000
0

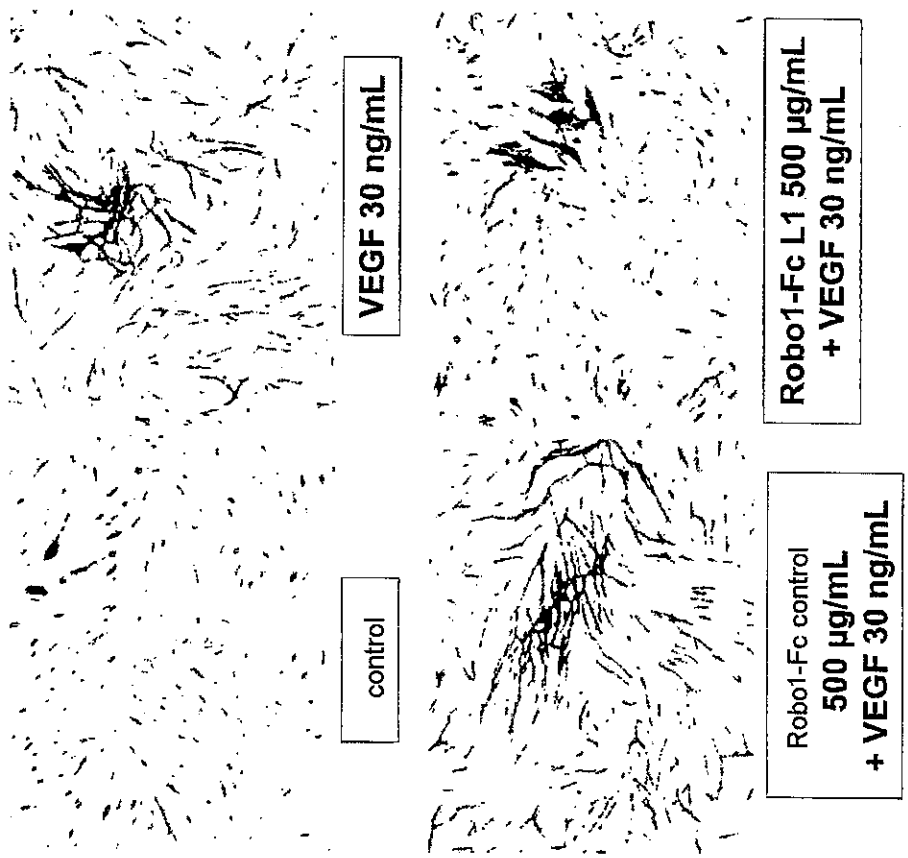

control
VEGF 30 ng/mL
Robo1-Fc control
500 µg/mL
+ VEGF 30 ng/mL
Robo1-Fc L1 500 µg/mL
+ VEGF 30 ng/mL

Fig 6-A

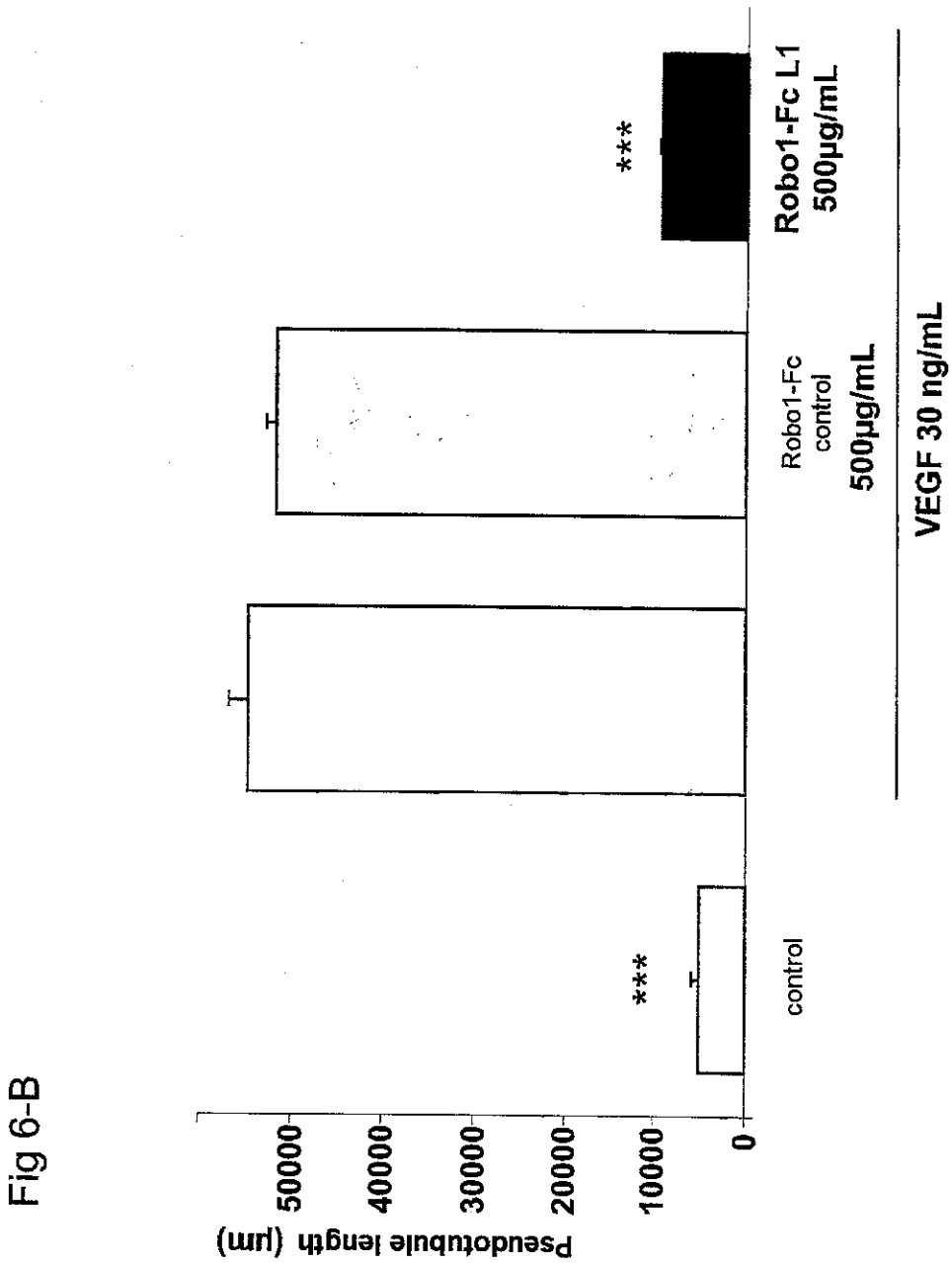

Pseudotubule length (µm)
50000
40000
30000
20000
10000
0
***
***
control
Robo1-Fc control 500µg/mL
Robo1-Fc L1 500µg/mL
VEGF 30 ng/mL

Fig 6-B

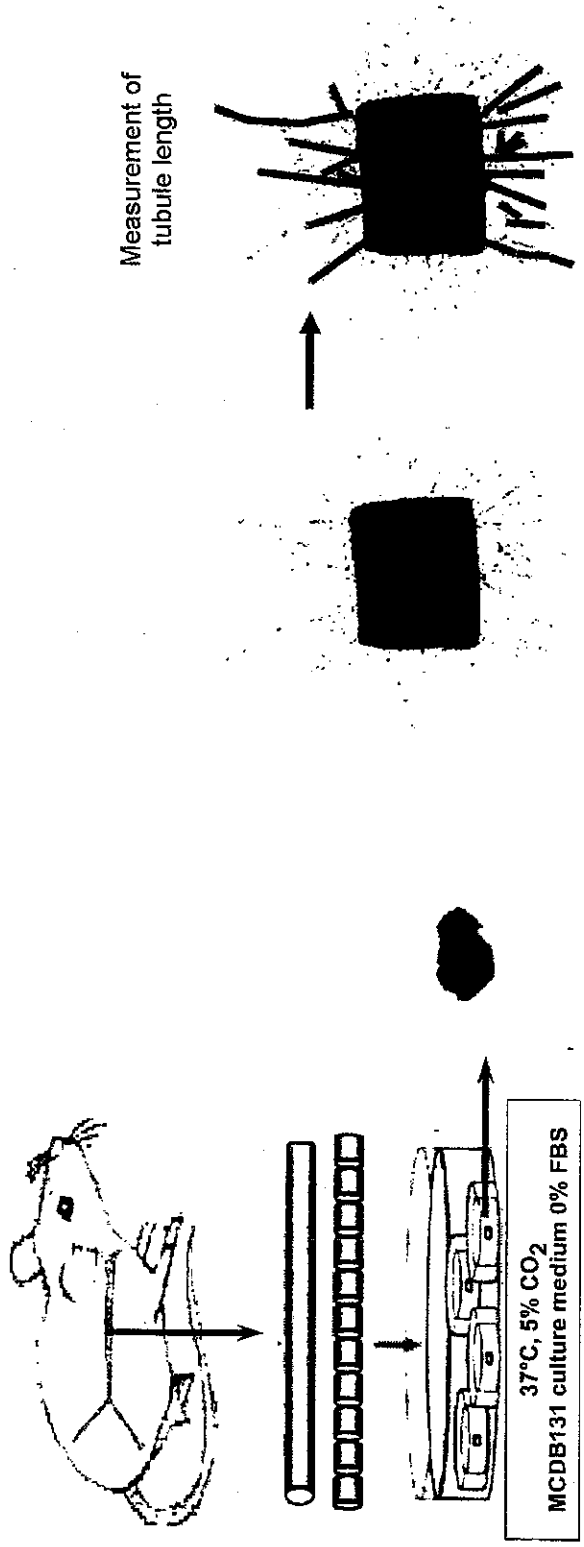

Measurement of tubule length
37°C, 5% CO_2
MCDB131 culture medium 0% FBS

Fig 7-A

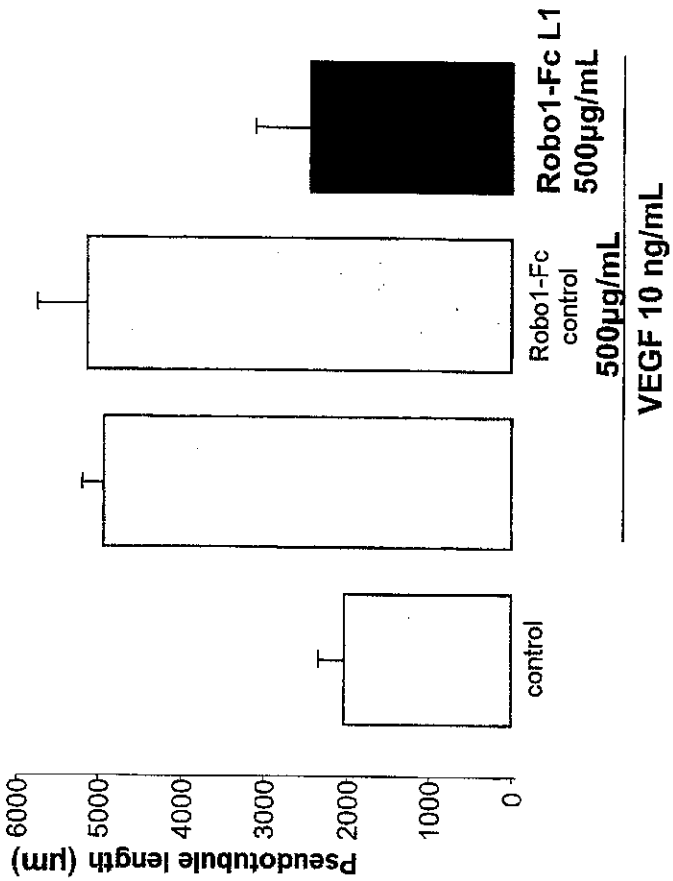
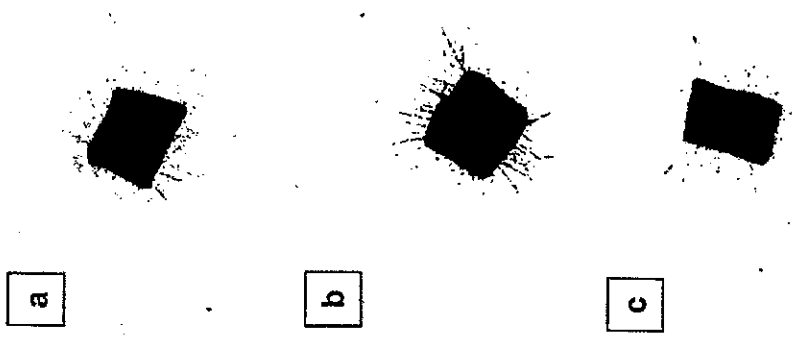

Pseudotubule length (µm)
6000
5000
4000
3000
2000
1000
0
control
Robo1-Fc control 500µg/mL
Robo1-Fc L1 500µg/mL
VEGF 10 ng/mL

Fig 7-B


a
b
c