Fig 1

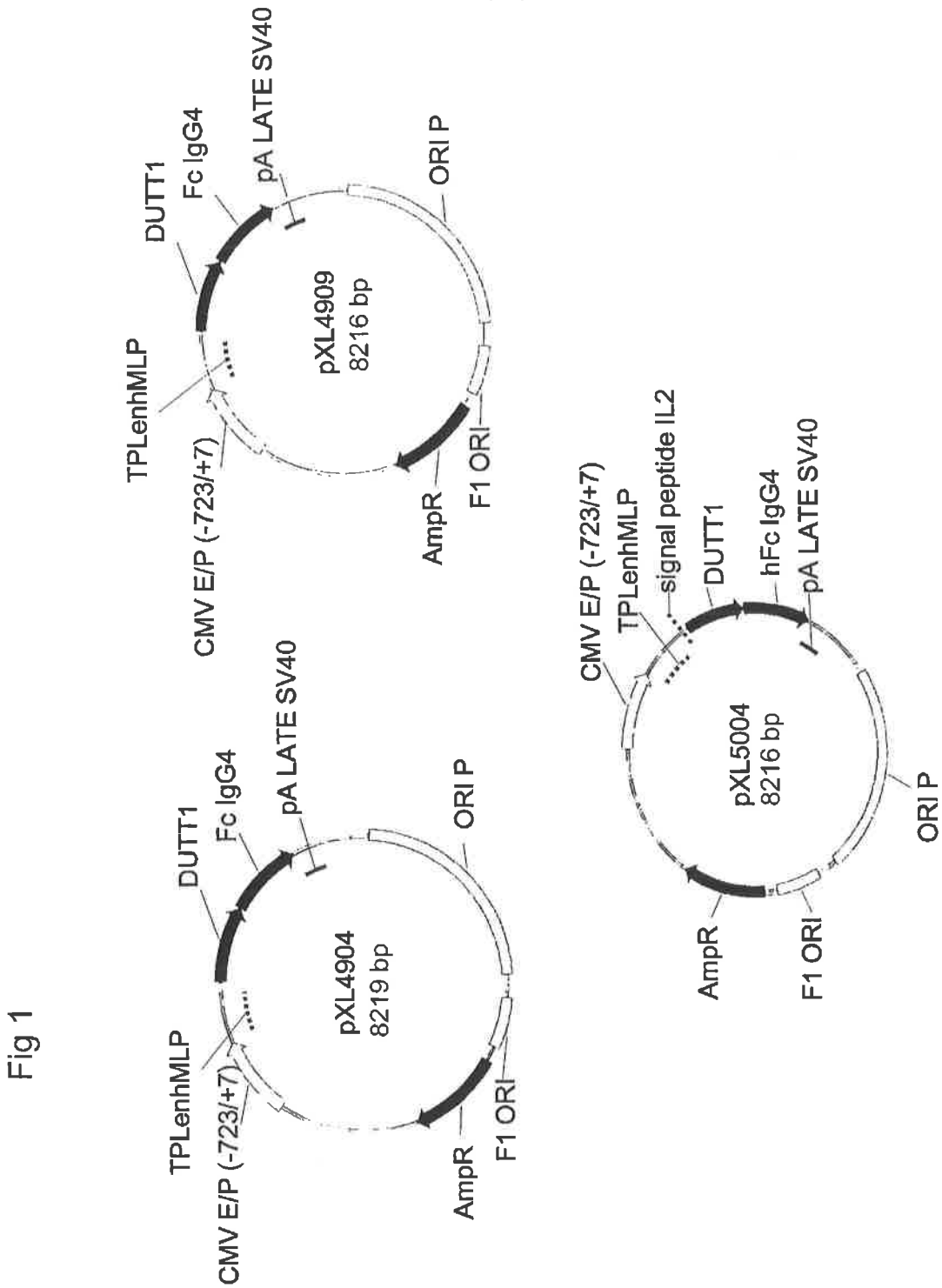

pXL4909
8216 bp
CMV E/P (-723/+7)
TPLenhMLP
DUTT1
Fc IgG4
pA LATE SV40
ORI P
AmpR
F1 ORI
pXL4904
8219 bp
pXL5004
8216 bp
signal peptide IL2
hFc IgG4

Fig 2

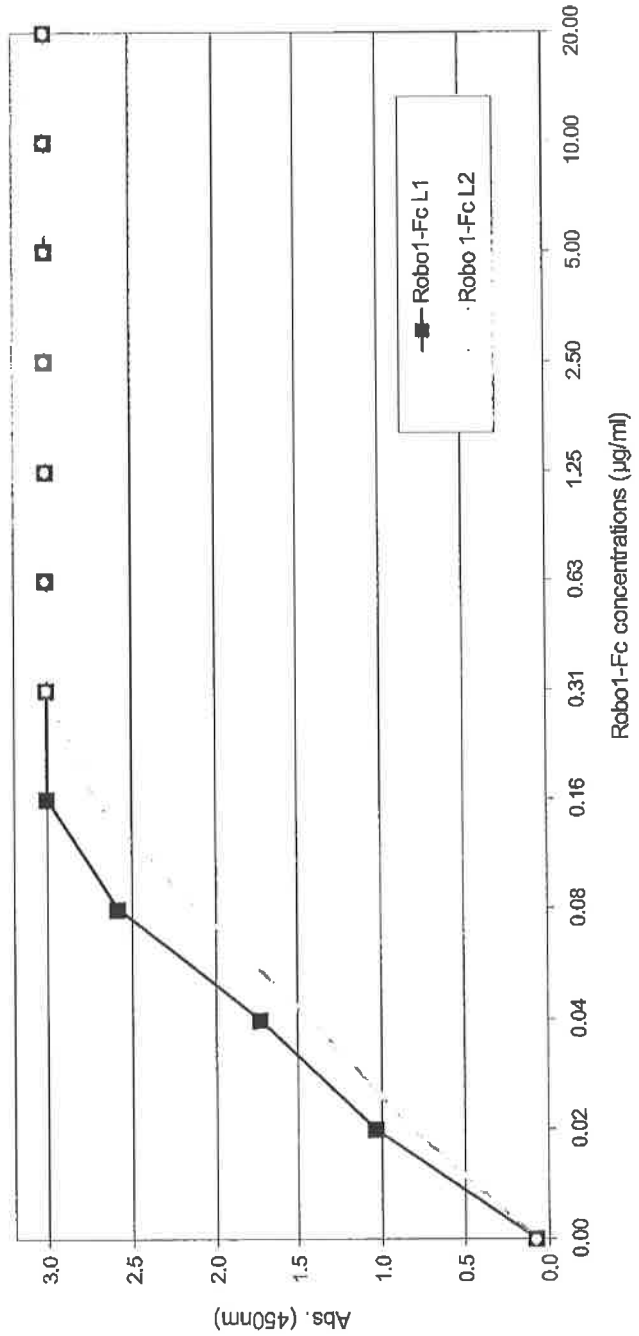

Abs. (450nm)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.08
0.16
0.31
0.63
1.25
2.50
5.00
10.00
20.00
Robo1-Fc concentrations (µg/ml)
Robo1-Fc L1
Robo 1-Fc L2

Fig 3

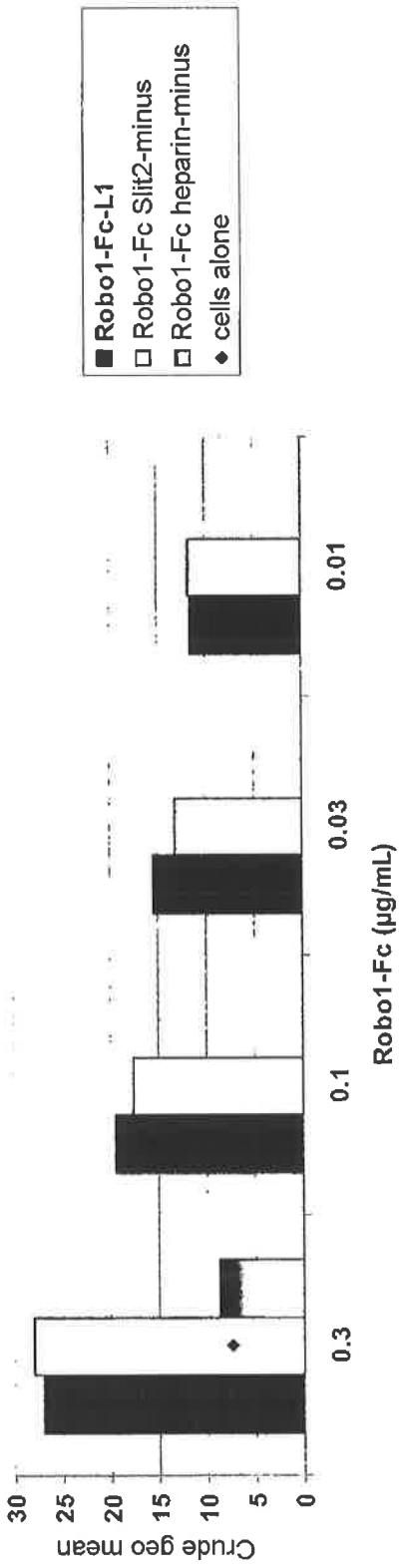

Robo1-Fc-L1
Robo1-Fc Slit2-minus
Robo1-Fc heparin-minus
cells alone
Crude geo mean
0
5
10
15
20
25
30
0.3
0.1
0.03
0.01
Robo1-Fc (µg/mL)

Fig 4

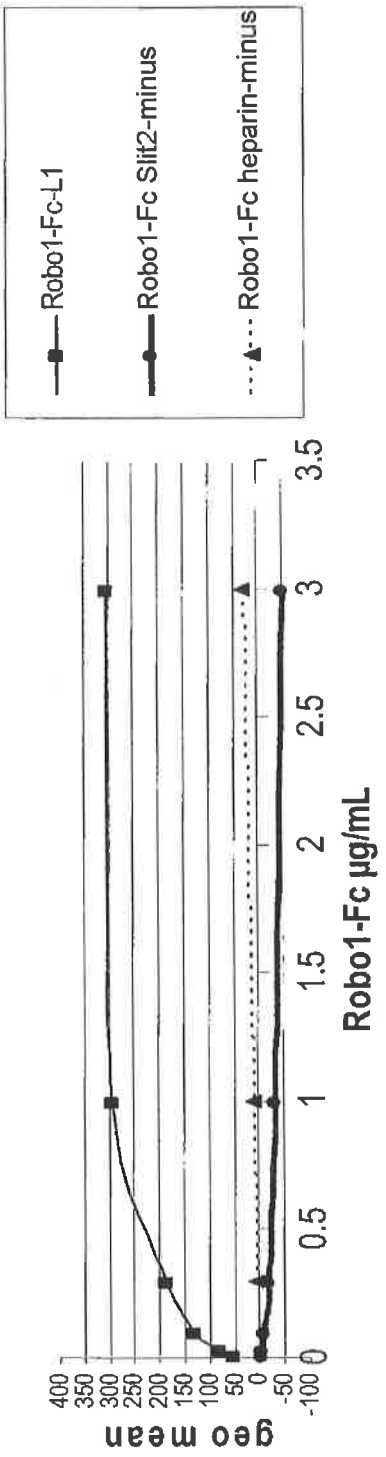

Robo1-Fc-L1
Robo1-Fc Slit2-minus
Robo1-Fc heparin-minus
geo mean
400
350
300
250
200
150
100
50
0
-50
-100
0
0.5
1
1.5
2
2.5
3
3.5
Robo1-Fc µg/mL

Fig 5-A

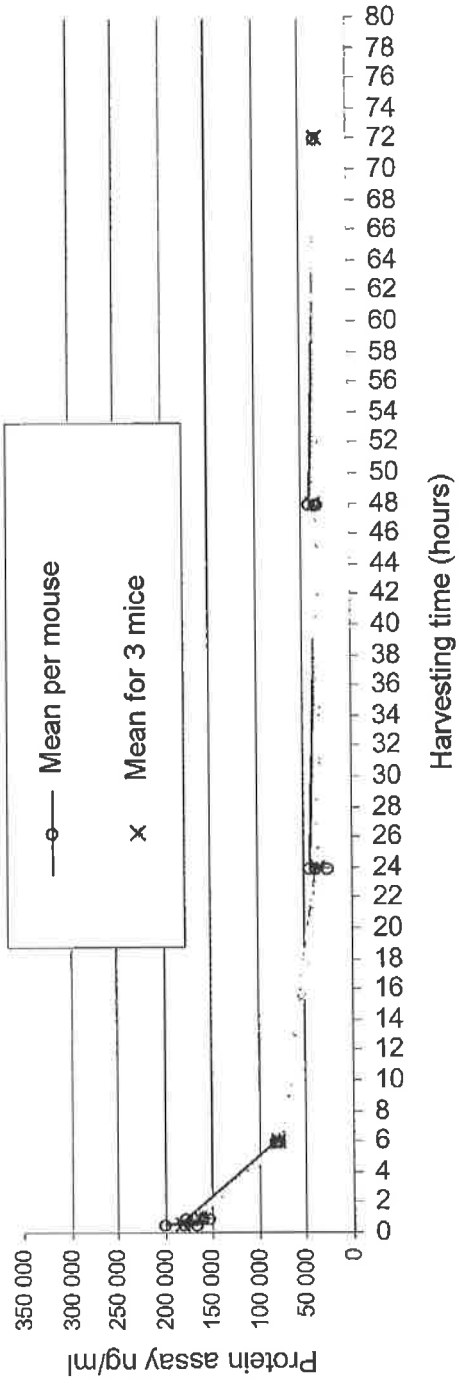
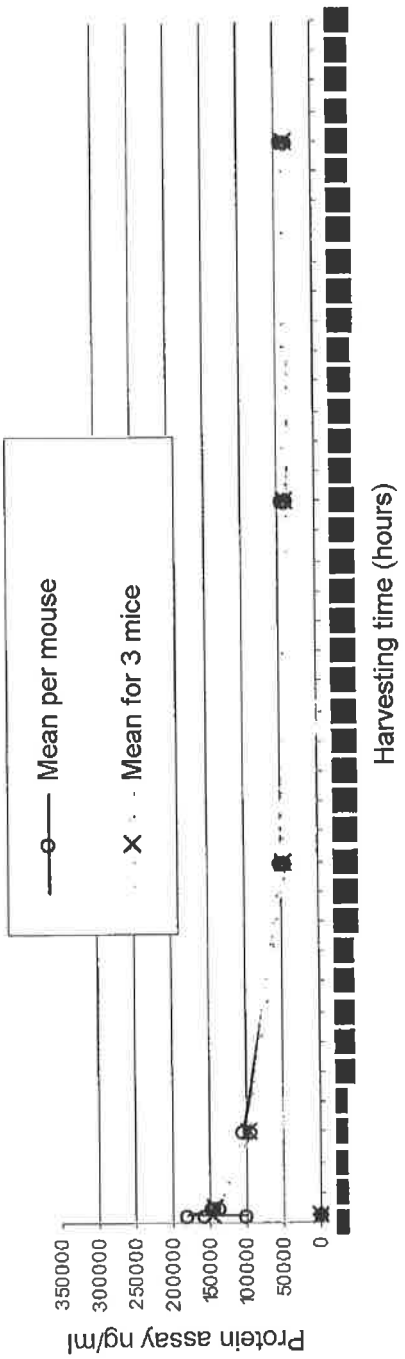

Protein assay ng/ml
350 000
300 000
250 000
200 000
150 000
100 000
50 000
0
Harvesting time (hours)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
Mean per mouse
Mean for 3 mice

Fig 5-B


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

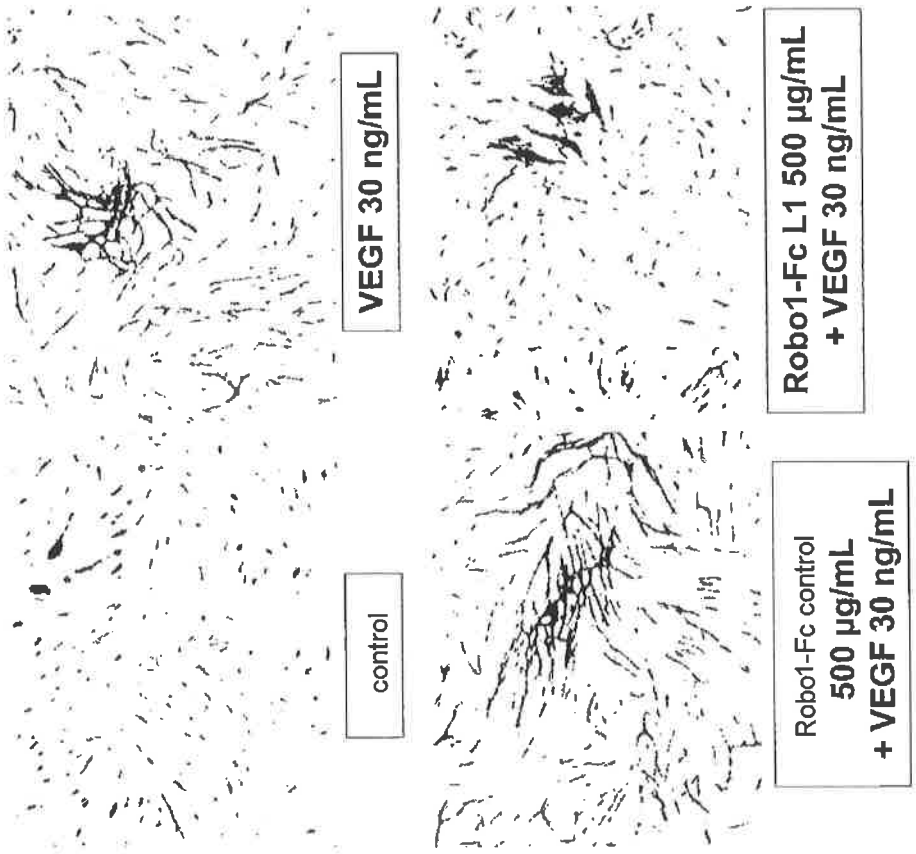
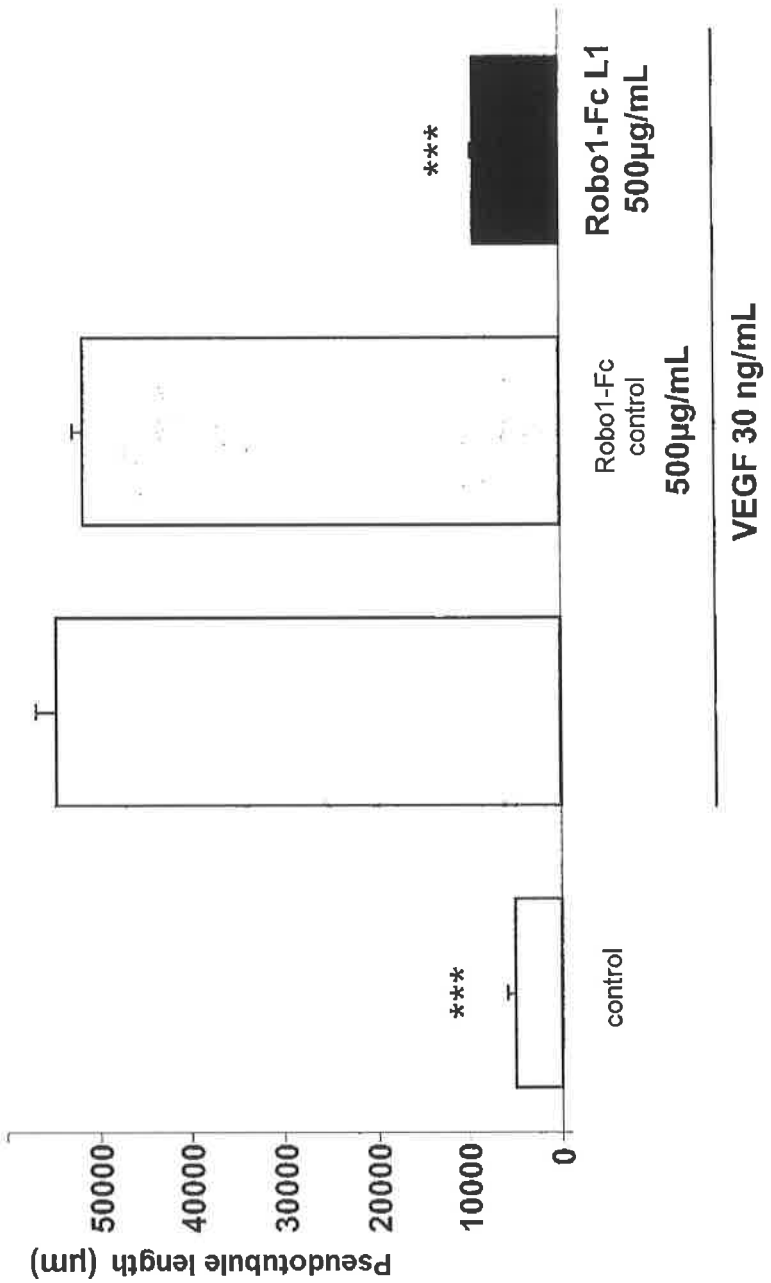

control
VEGF 30 ng/mL
Robo1-Fc control
500 µg/mL
+ VEGF 30 ng/mL
Robo1-Fc L1 500 µg/mL
+ VEGF 30 ng/mL

Fig 6-A

Fig 6-B


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

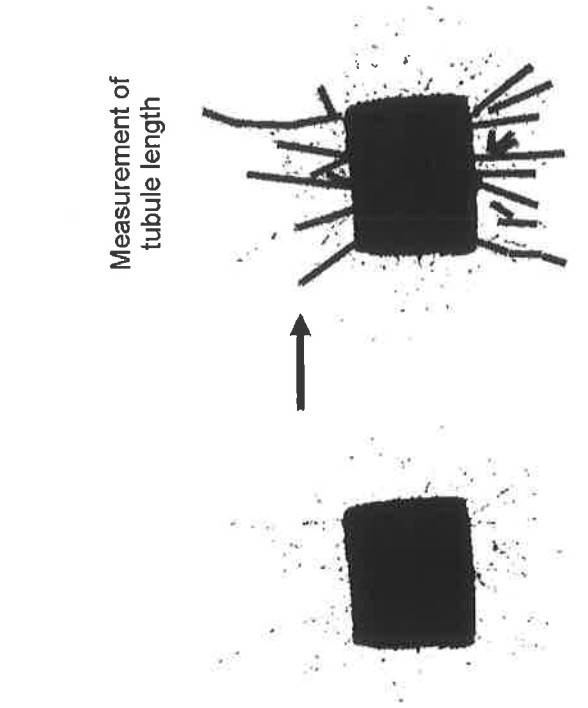
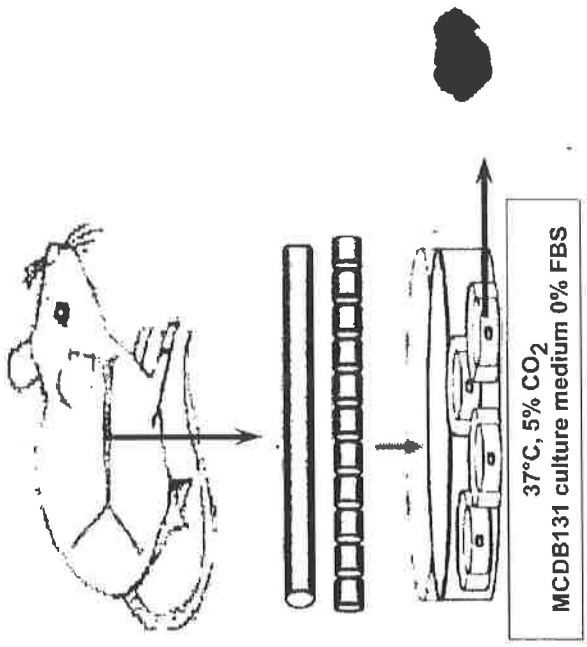

Measurement of tubule length

Fig 7-A


37°C, 5% CO_2
MCDB131 culture medium 0% FBS

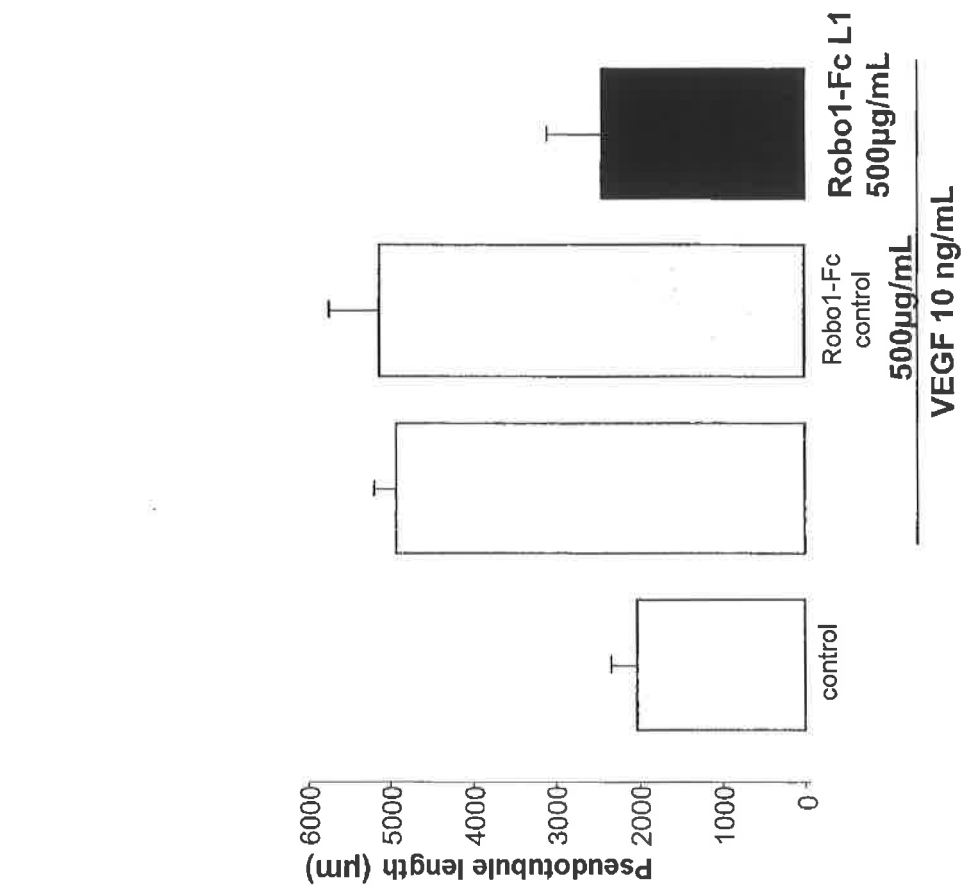
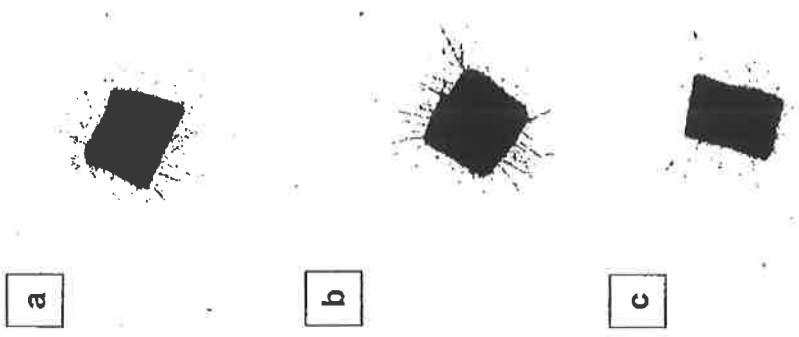

Pseudotubule length (µm)
6000
5000
4000
3000
2000
1000
0
control
Robo1-Fc control 500µg/mL
Robo1-Fc L1 500µg/mL
VEGF 10 ng/mL

Fig 7-B


a
b
c