Fig 1

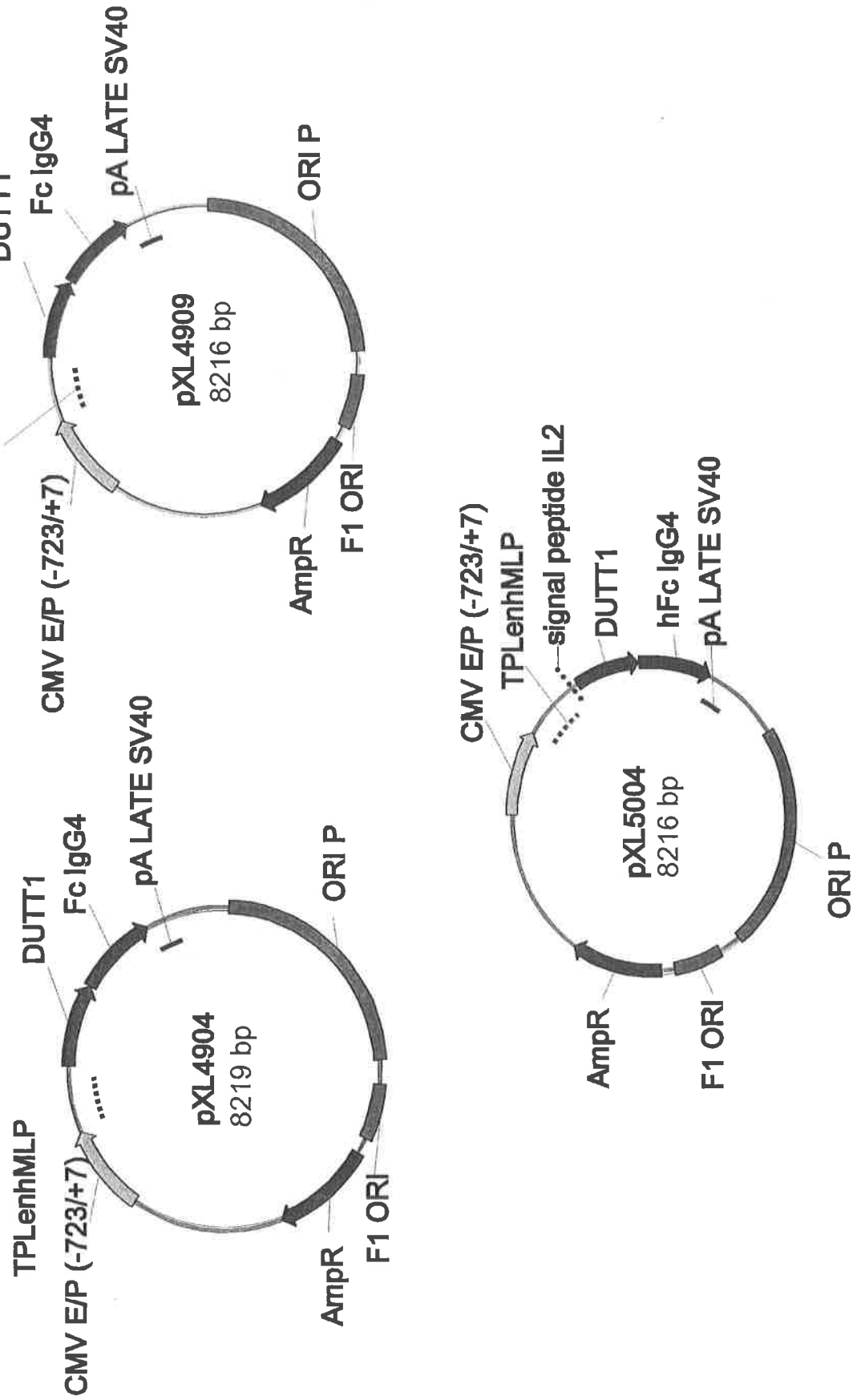

pXL4909
8216 bp
TPLenhMLP
CMV E/P (-723/+7)
DUTT1
Fc IgG4
pA LATE SV40
ORI P
AmpR
F1 ORI
pXL4904
8219 bp
TPLenhMLP
CMV E/P (-723/+7)
DUTT1
Fc IgG4
pA LATE SV40
ORI P
AmpR
F1 ORI
pXL5004
8216 bp
CMV E/P (-723/+7)
TPLenhMLP
signal peptide IL2
DUTT1
hFc IgG4
pA LATE SV40
ORI P
AmpR
F1 ORI

Fig 2

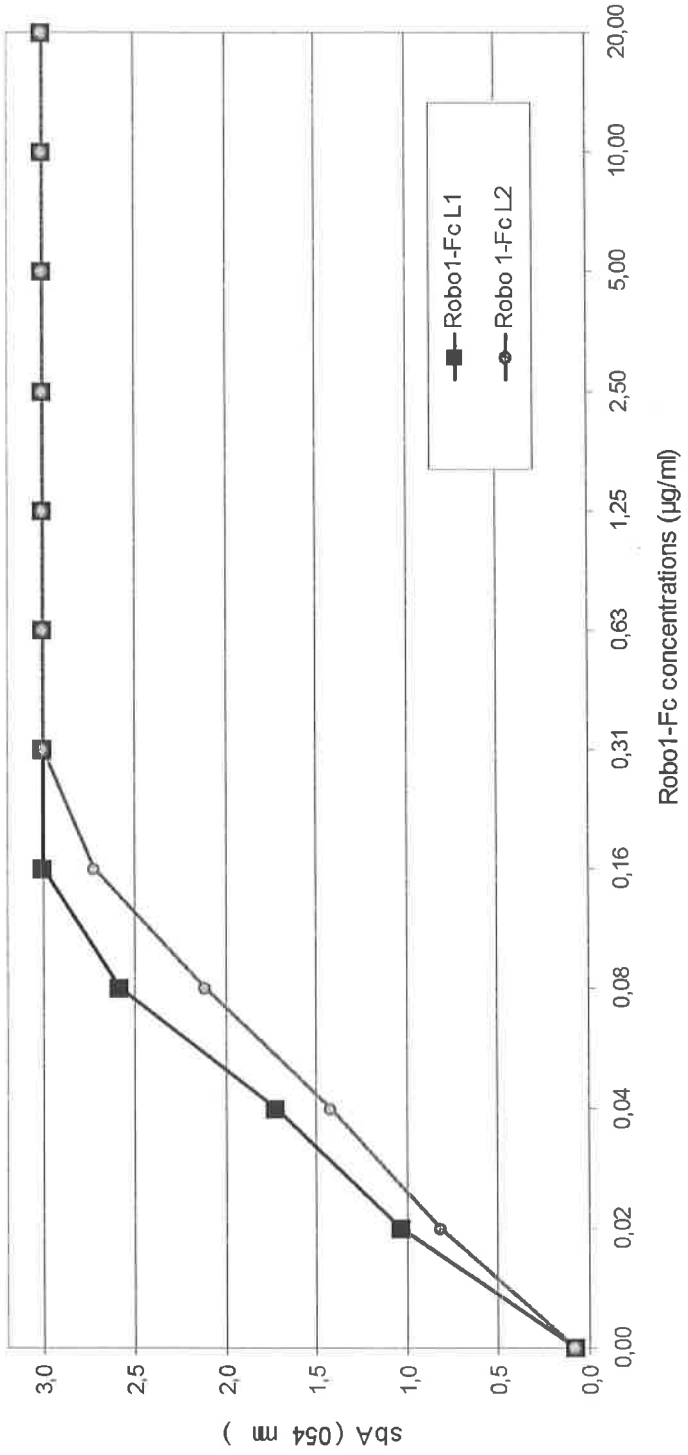

sbA (054 nm )
3,0
2,5
2,0
1,5
1,0
0,5
0,0
0,00
0,02
0,04
0,08
0,16
0,31
0,63
1,25
2,50
5,00
10,00
20,00
Robo1-Fc concentrations (µg/ml)
Robo1-Fc L1
Robo 1-Fc L2

Fig 3

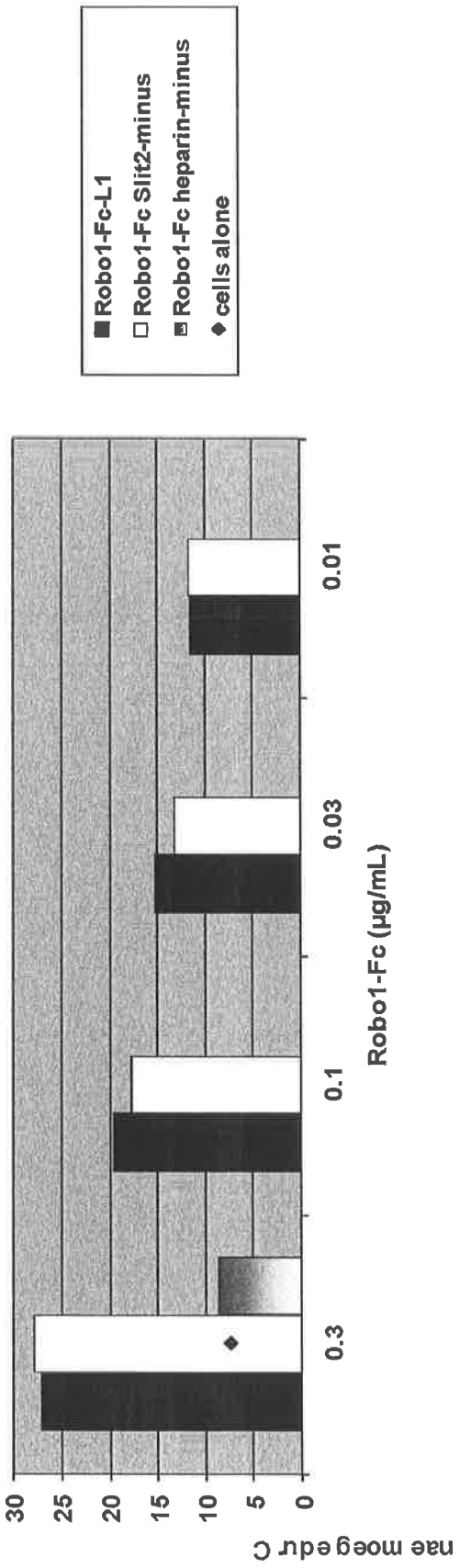

Robo1-Fc-L1
Robo1-Fc Slit2-minus
Robo1-Fc heparin-minus
cells alone
0.01
0.03
0.1
0.3
Robo1-Fc (µg/mL)
0
5
10
15
20
25
30

Fig 4

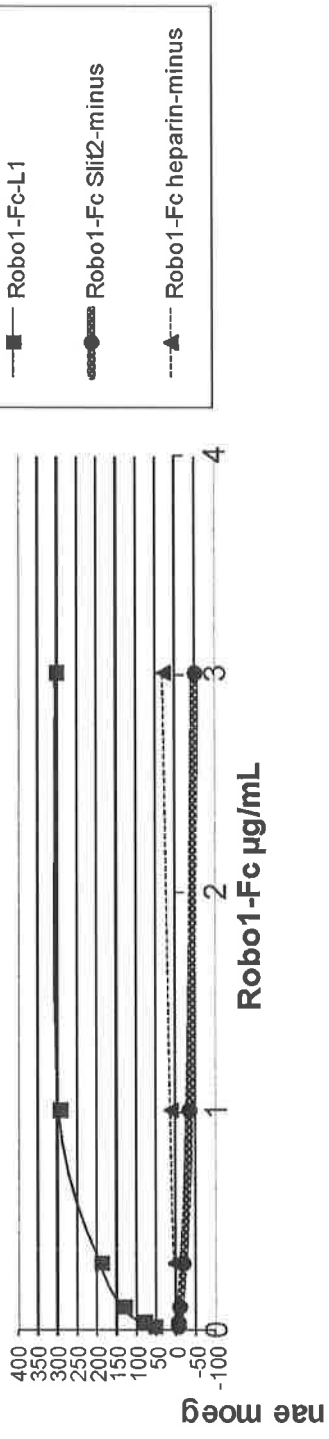

Robo1-Fc-L1
Robo1-Fc Slit2-minus
Robo1-Fc heparin-minus
nae moeg
400
350
300
250
200
150
100
50
0
-50
-100
0
1
2
3
4
Robo1-Fc µg/mL

Fig 5-A

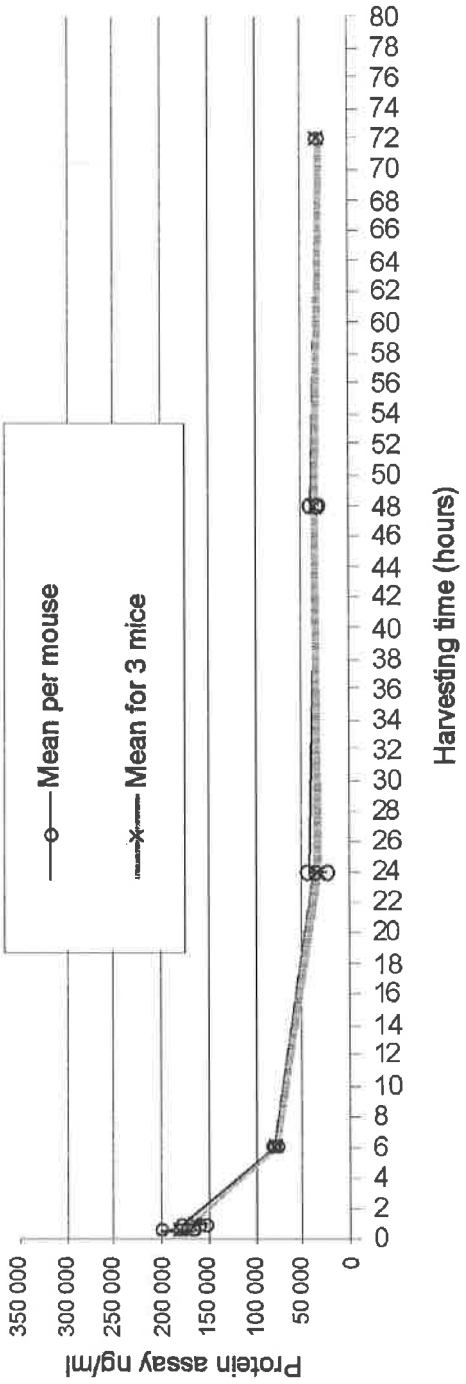
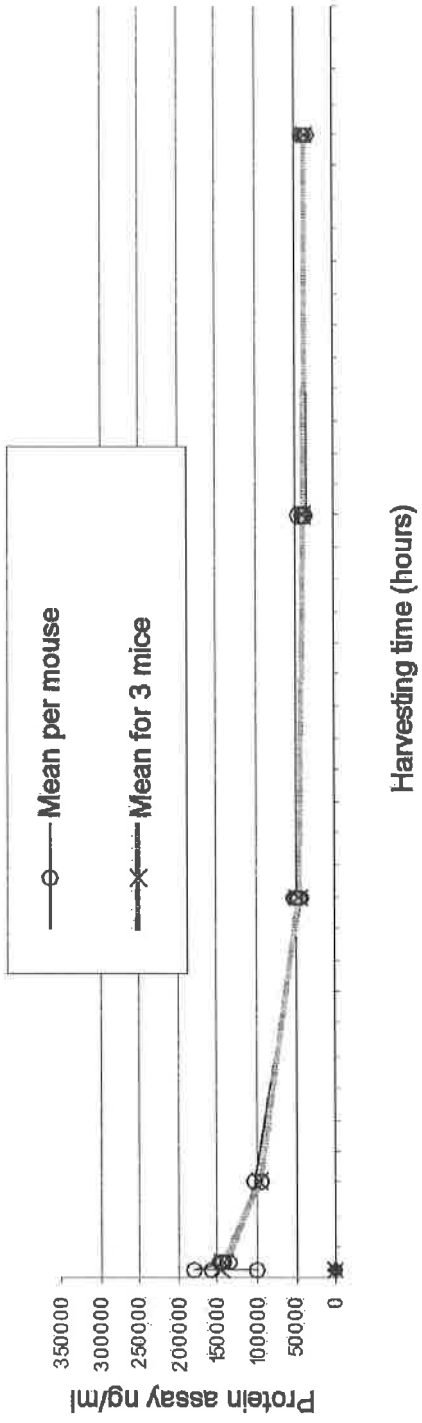

Mean per mouse
Mean for 3 mice
Harvesting time (hours)
Protein assay ng/ml
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
0
50 000
100 000
150 000
200 000
250 000
300 000
350 000

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

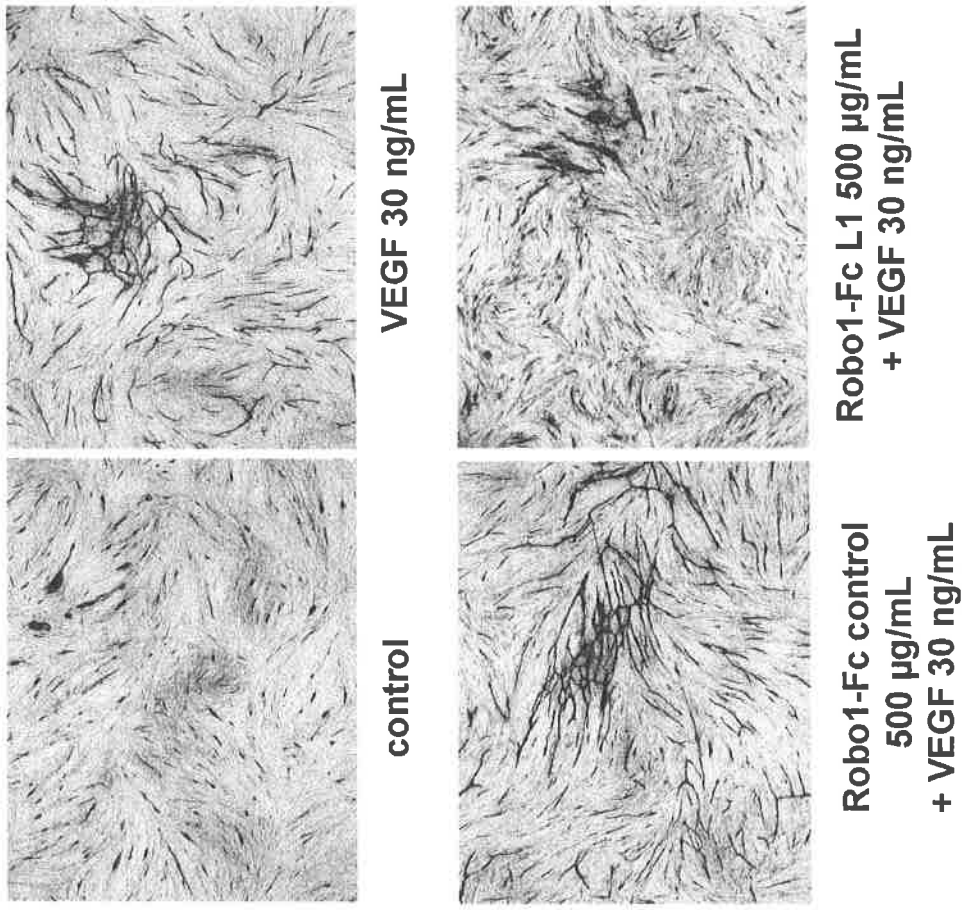

VEGF 30 ng/mL
control
Robo1-Fc L1 500 µg/mL
+ VEGF 30 ng/mL
Robo1-Fc control
500 µg/mL
+ VEGF 30 ng/mL

Fig 6-A

Fig 6-B

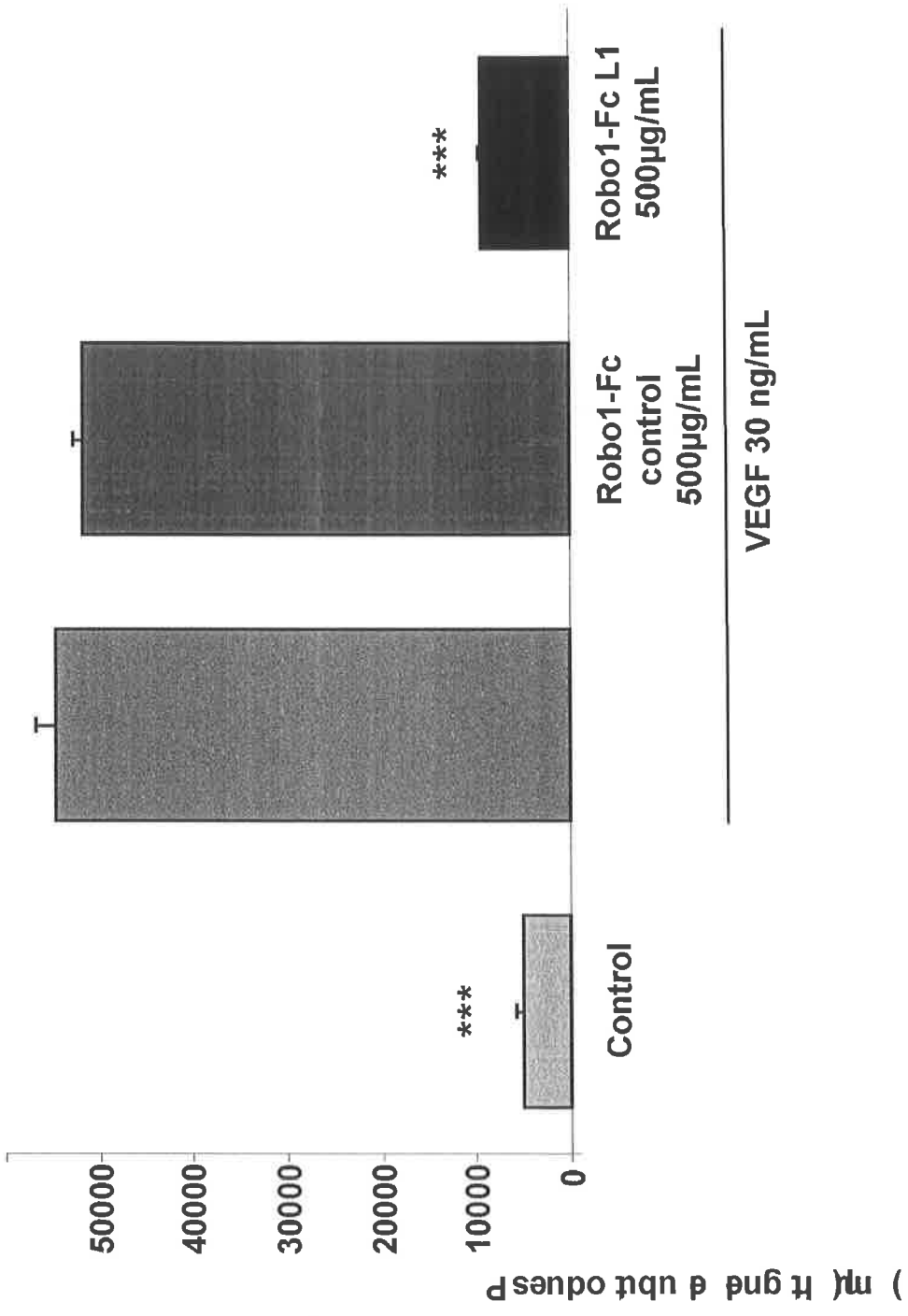
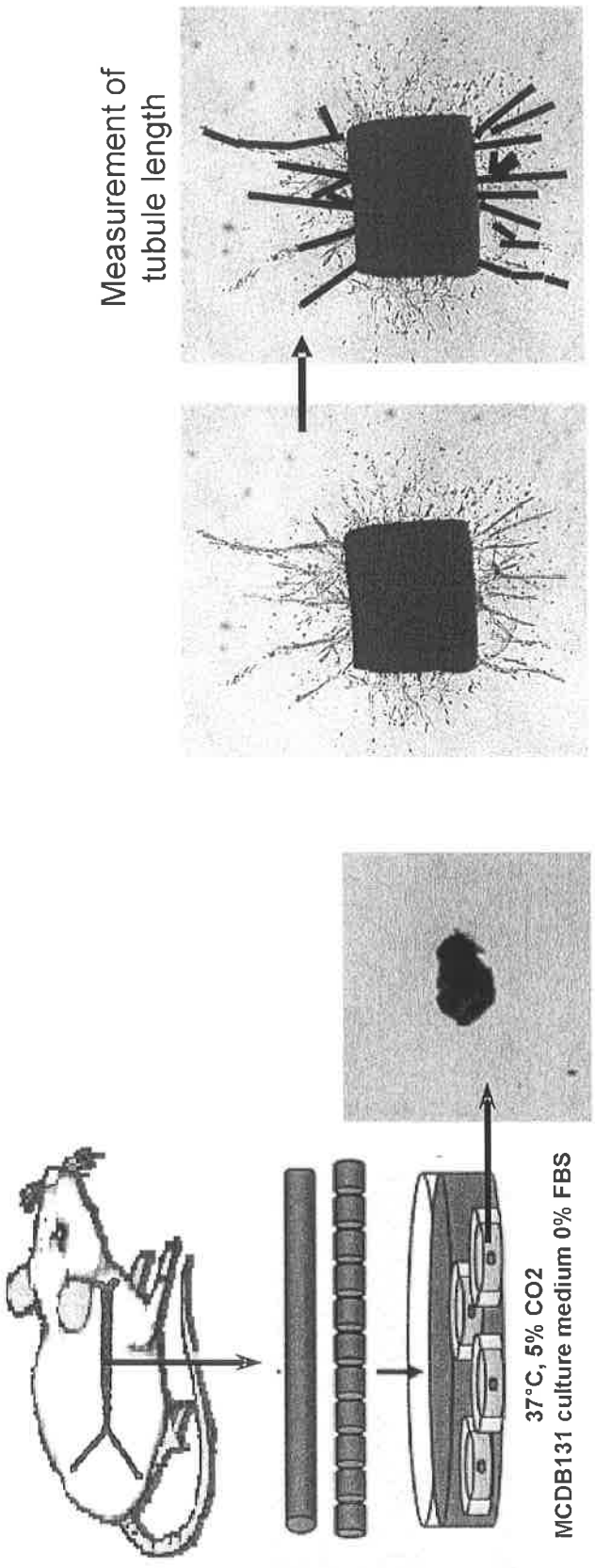

Number of migrated cells
50000
40000
30000
20000
10000
0
***
***
Control
Robo1-Fc control 500µg/mL
Robo1-Fc L1 500µg/mL
VEGF 30 ng/mL

Fig 7-A


Measurement of tubule length
37°C, 5% CO2
MCDB131 culture medium 0% FBS

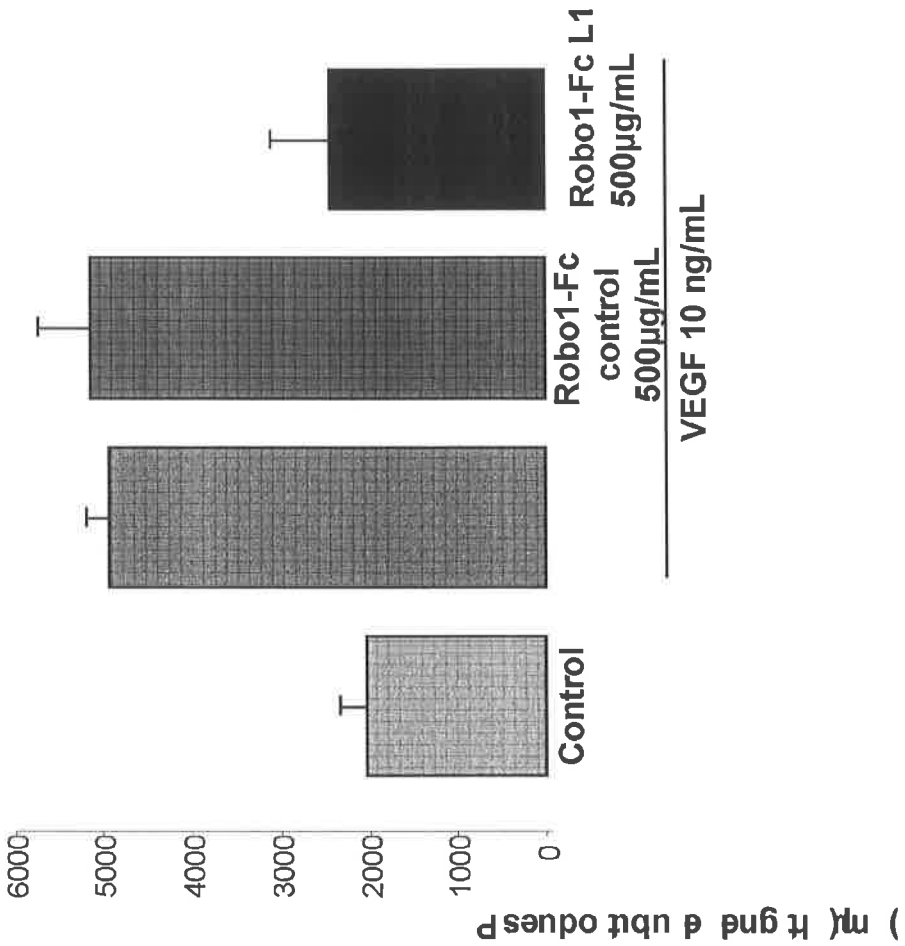
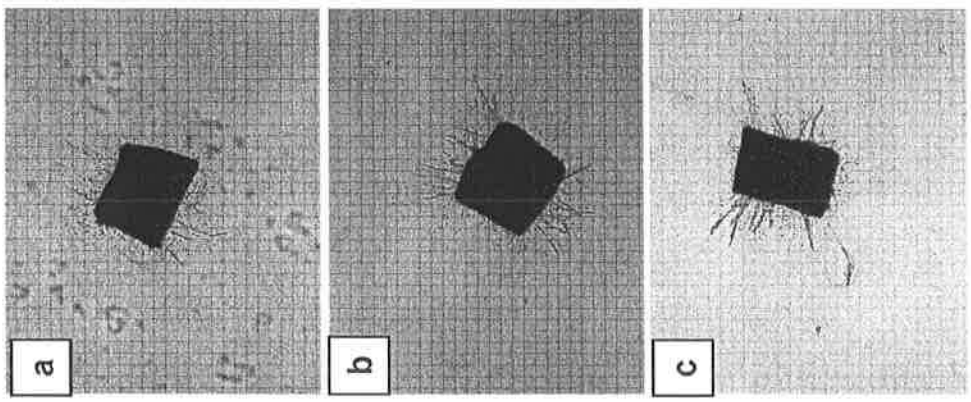

Robo1-Fc L1 500µg/mL
Robo1-Fc control 500µg/mL
VEGF 10 ng/mL
Control
6000
5000
4000
3000
2000
1000
0

Fig 7-B


a
b
c

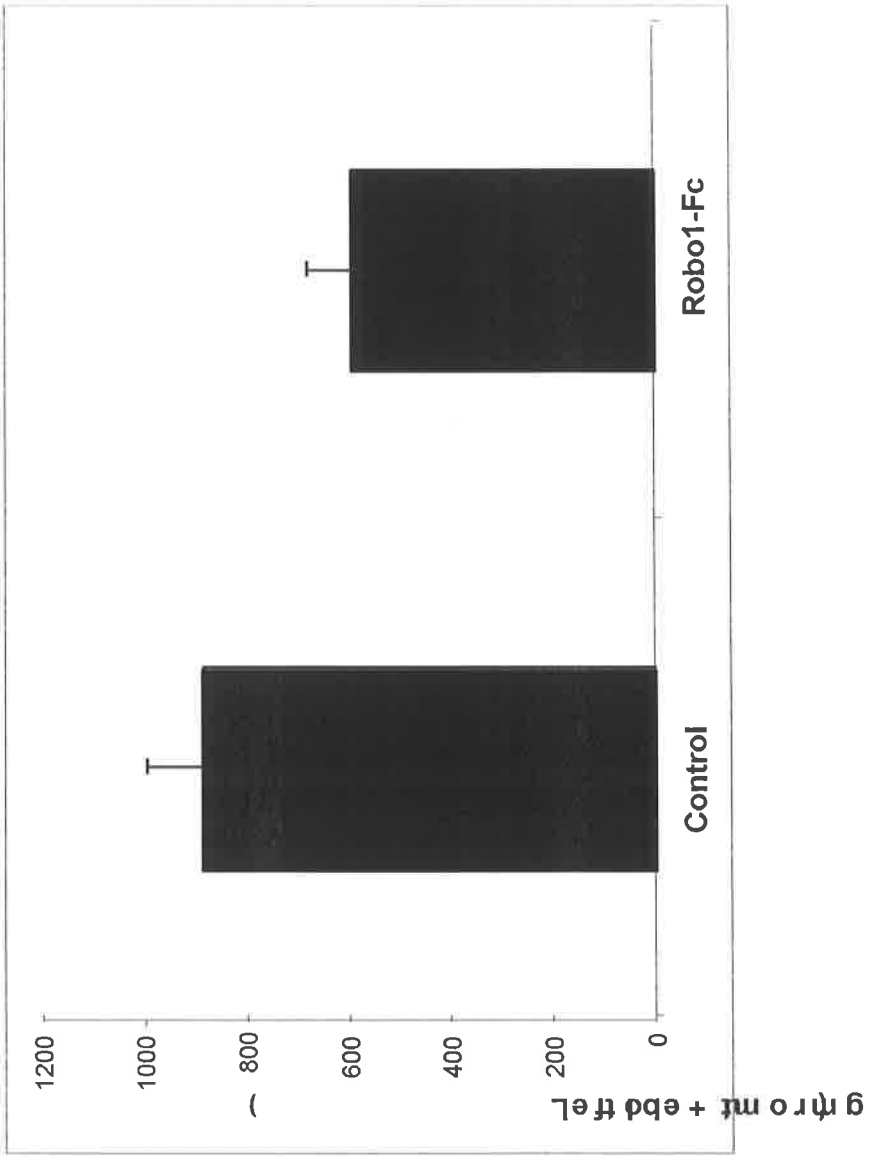



Fig 8

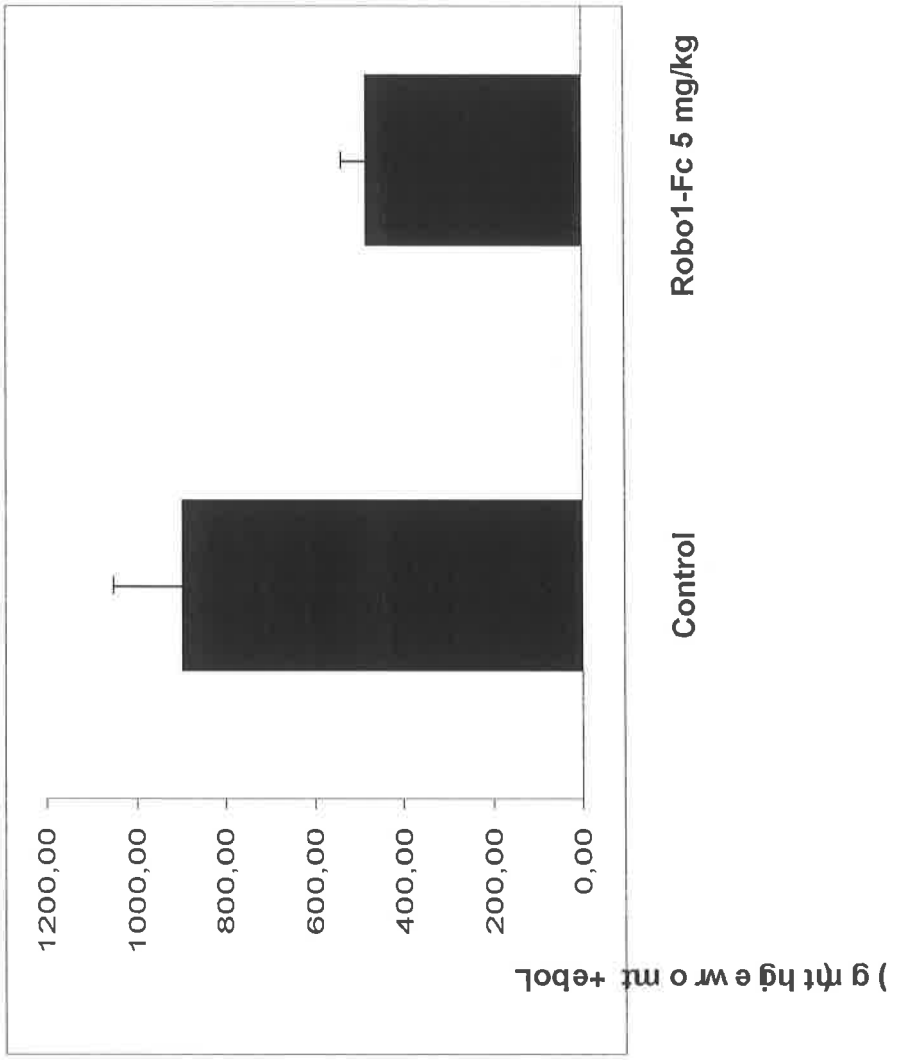

Robo1-Fc 5 mg/kg
Control
1200,00
1000,00
800,00
600,00
400,00
200,00
0,00

Fig 9

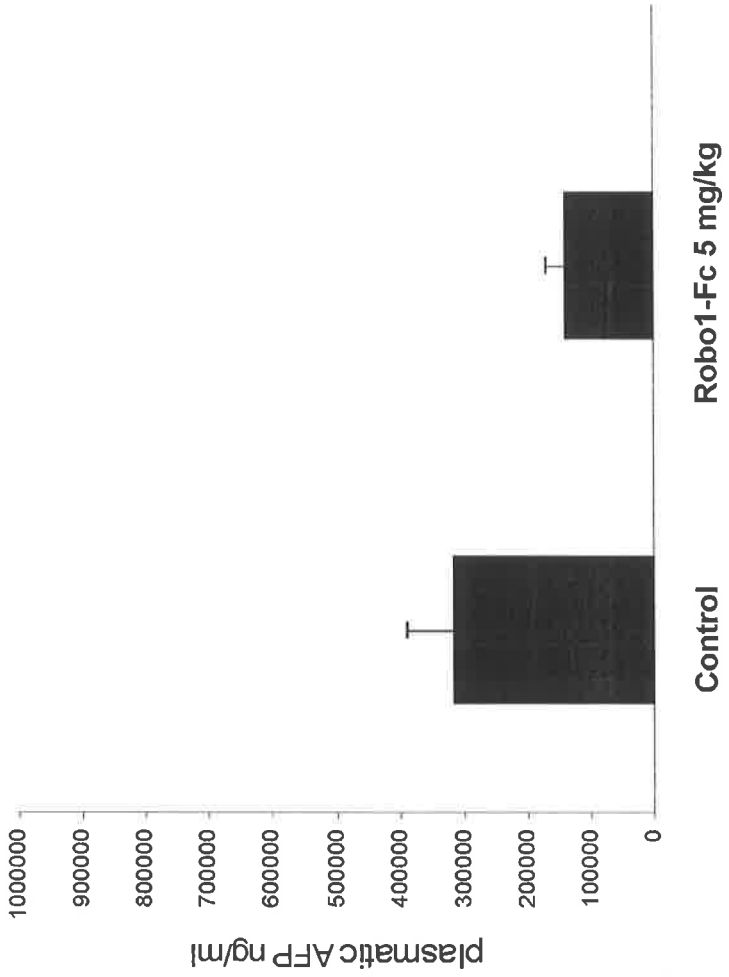

plasmatic AFP ng/ml
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
Control
Robo1-Fc 5 mg/kg

Fig 10