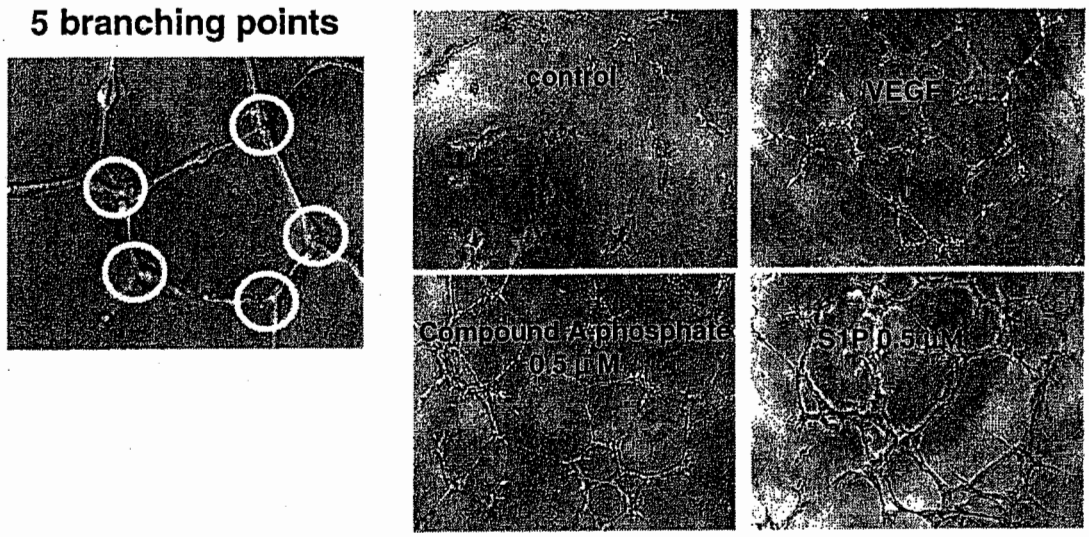
Figure 1


5 branching points
control
VEGF
Compound A phosphate
0.5 µM
S1P 0.5 µM

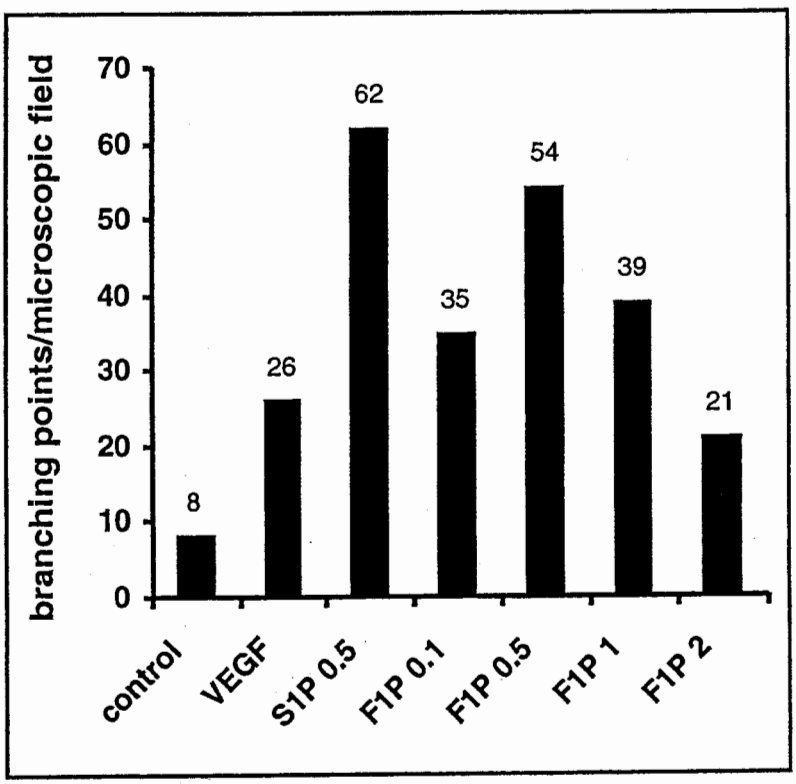

branching points/microscopic field
70
60
50
40
30
20
10
0
8
26
62
35
54
39
21
control
VEGF
S1P 0.5
F1P 0.1
F1P 0.5
F1P 1
F1P 2

Figure 2

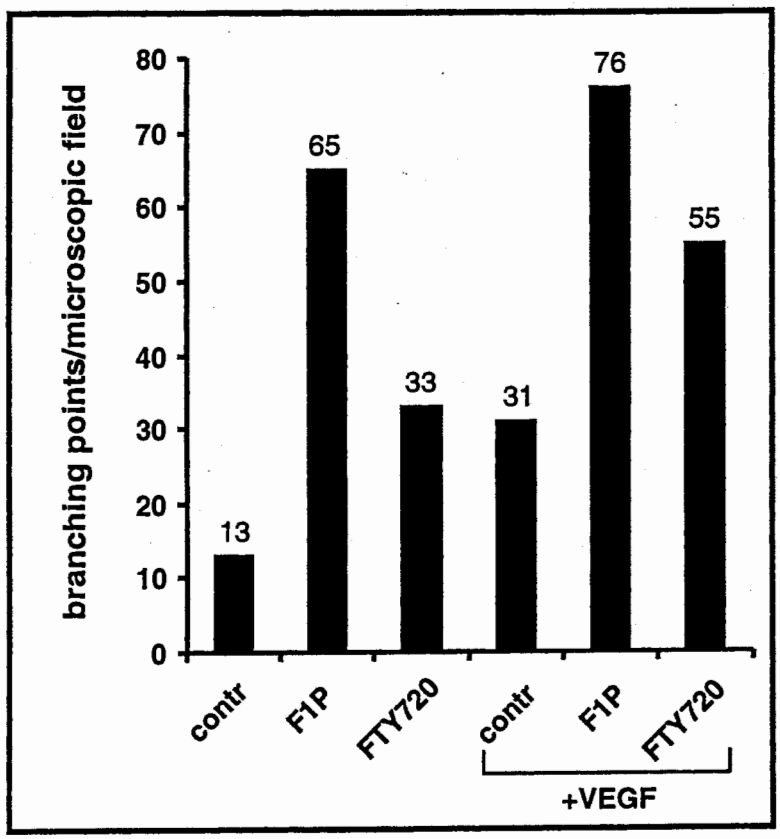

branching points/microscopic field
80
70
60
50
40
30
20
10
0
13
65
33
31
76
55
contr
F1P
FTY720
contr
F1P
FTY720
+VEGF

Figure 3

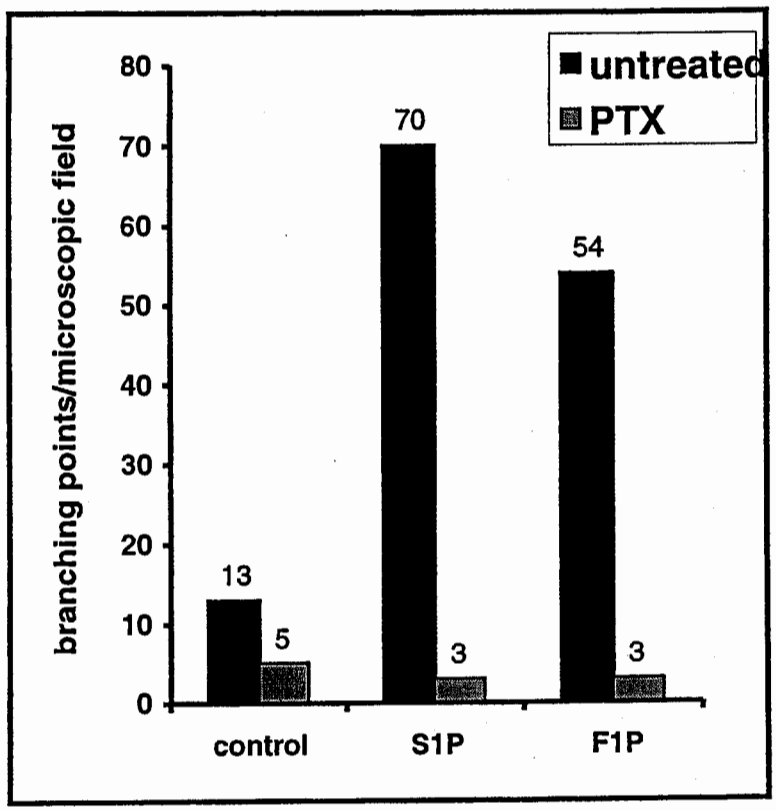

branching points/microscopic field
80
70
60
50
40
30
20
10
0
untreated
PTX
13
5
70
3
54
3
control
S1P
F1P

Figure 4

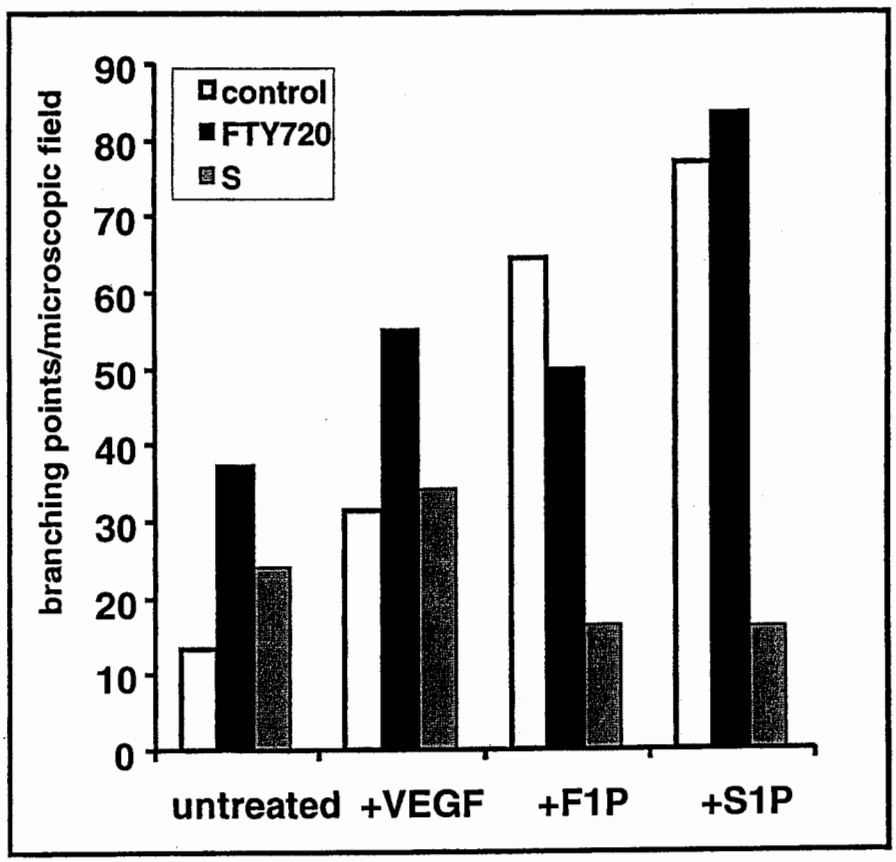

branching points/microscopic field
90
80
70
60
50
40
30
20
10
0
control
FTY720
S
untreated
+VEGF
+F1P
+S1P

Figure 5

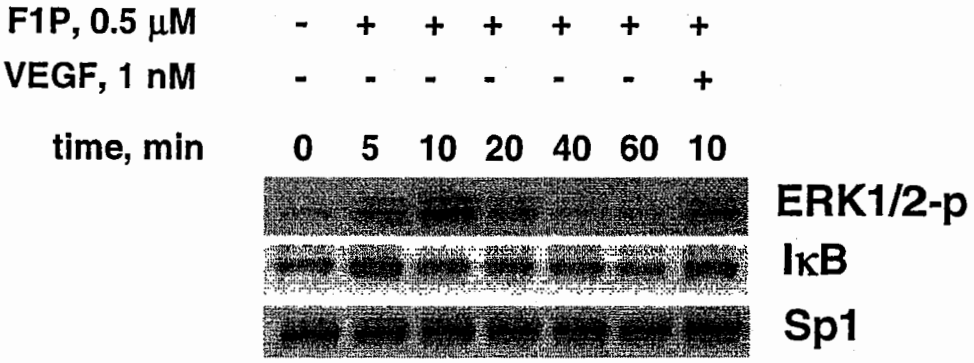


Figure 6

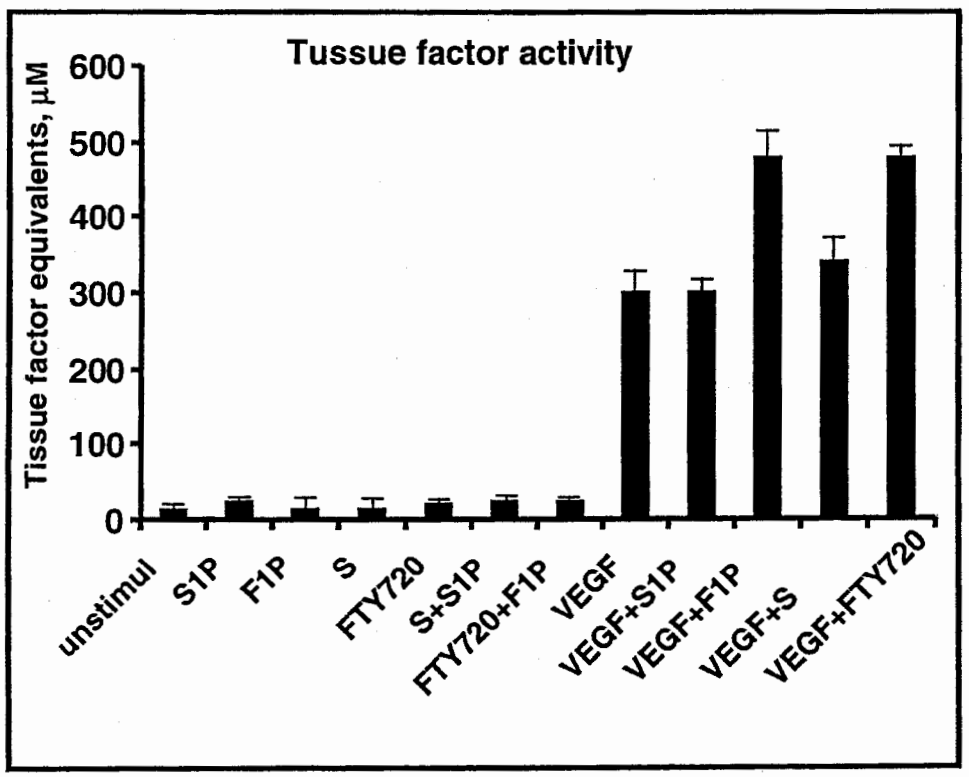
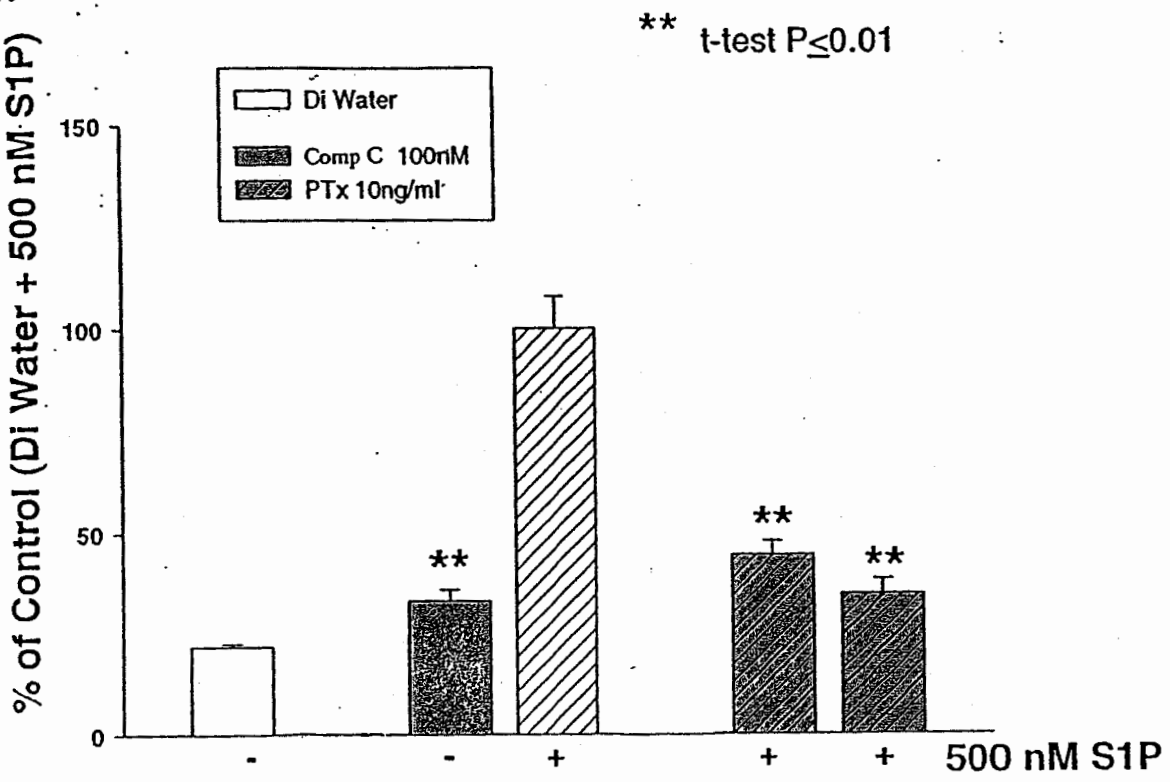


Figure 7


** t-test P≤0.01
Di Water
Comp C 100nM
PTx 10ng/ml
% of Control (Di Water + 500 nM S1P)
150
100
50
0
**
**
**
-
-
+
+
+
500 nM S1P