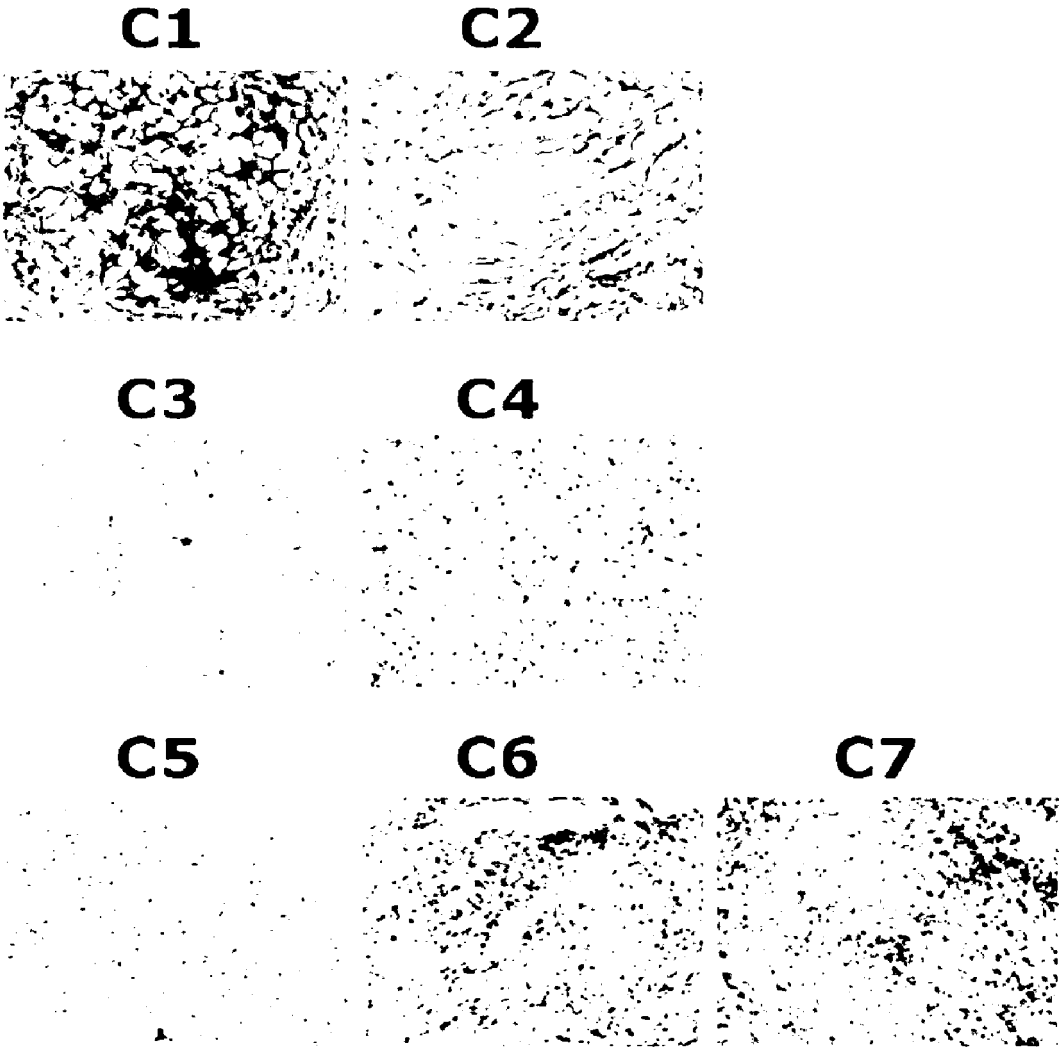
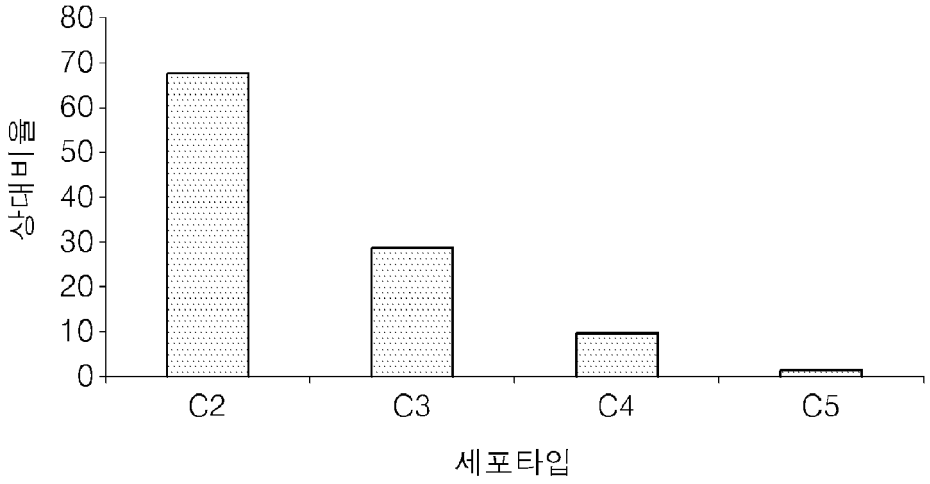
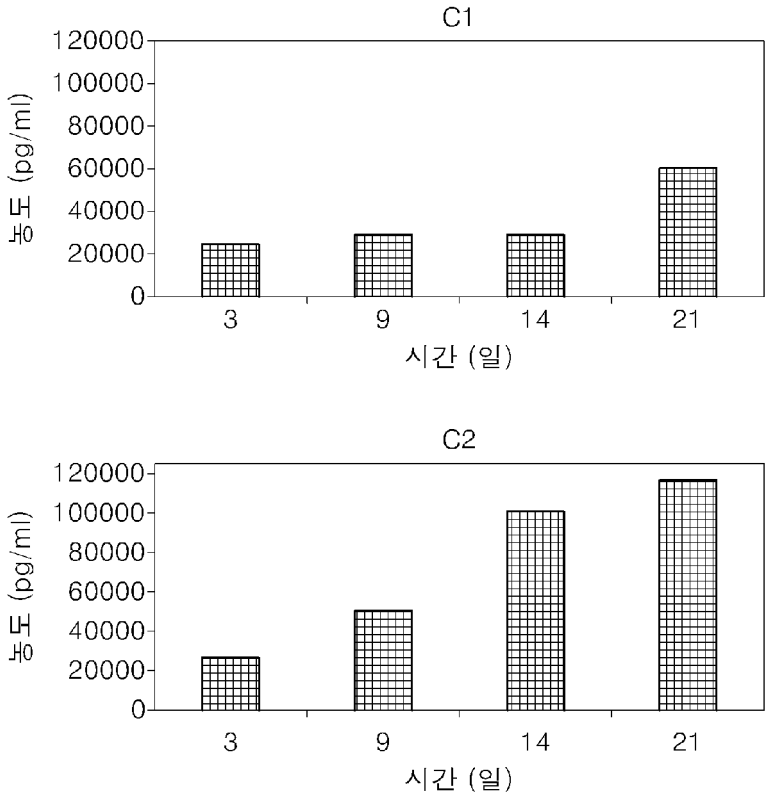
[Fig. 1]



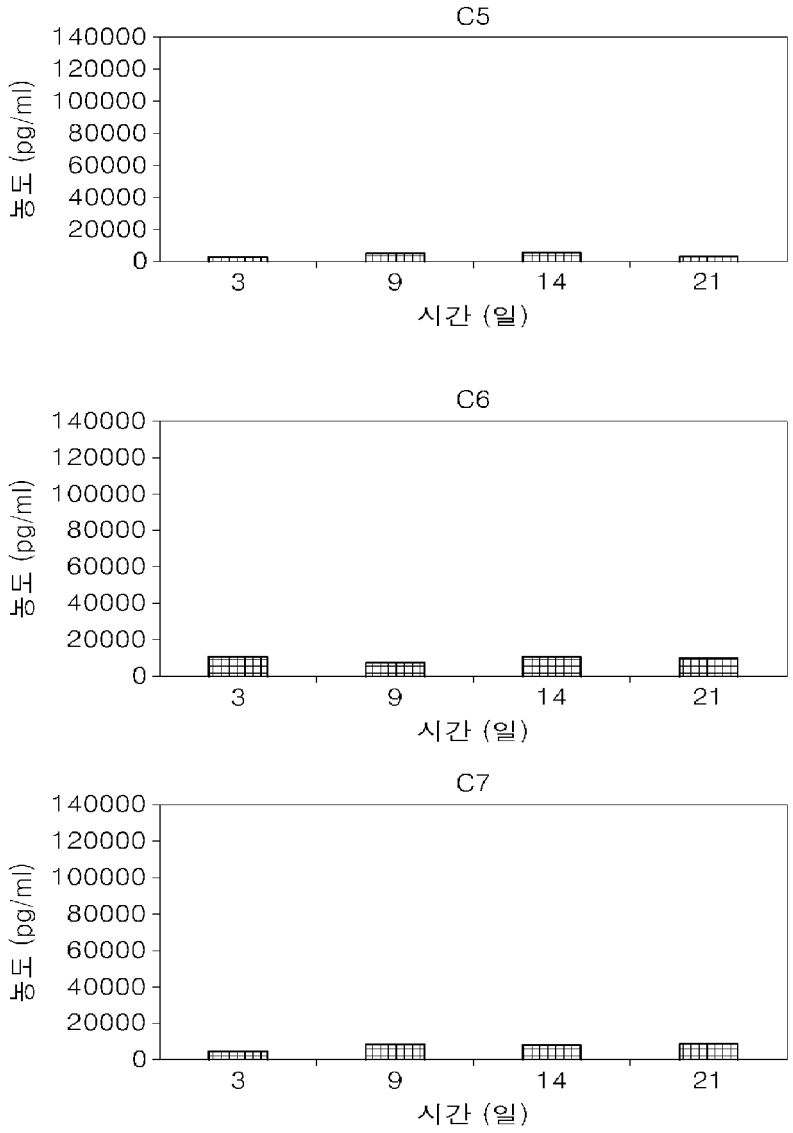
[Fig. 2]



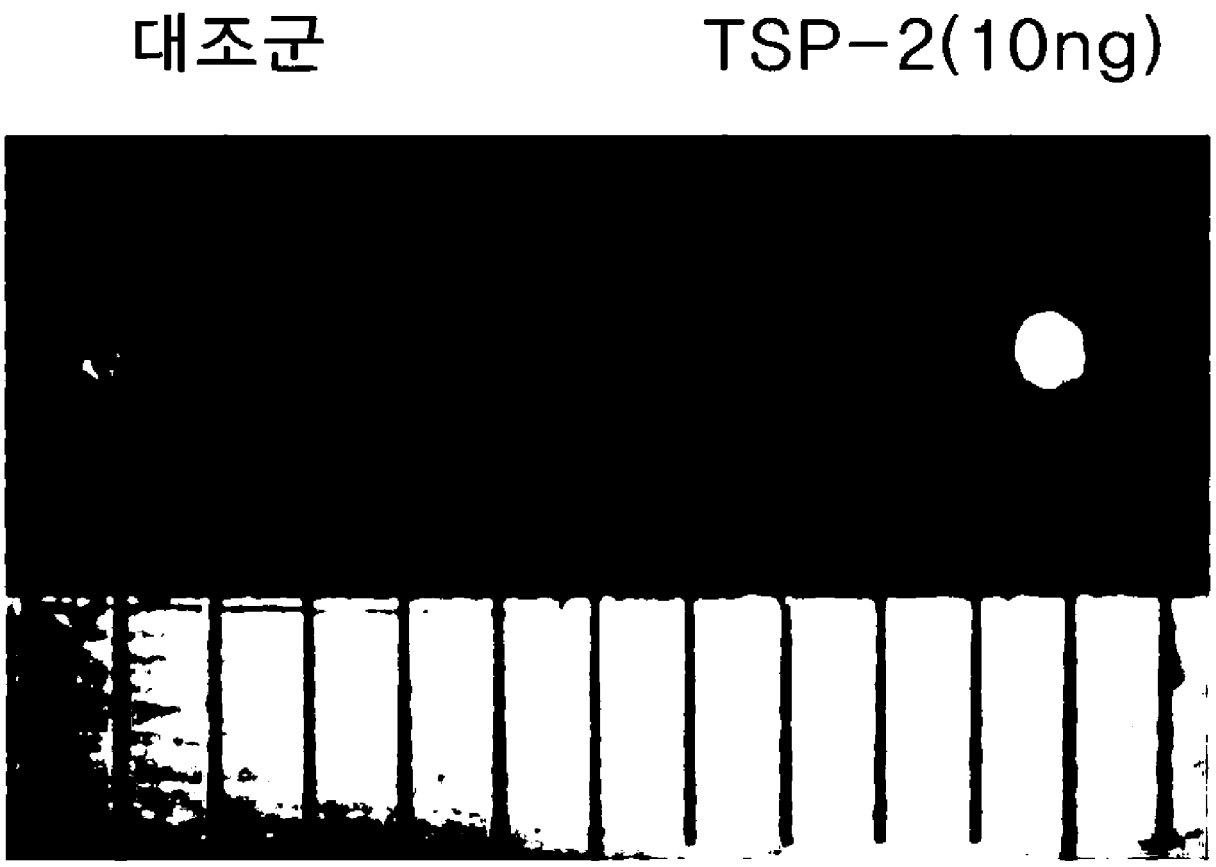
[Fig. 3]


C1
120000
100000
80000
60000
40000
20000
0
농도 (pg/ml)
3
9
14
21
시간 (일)
C2
120000
100000
80000
60000
40000
20000
0
농도 (pg/ml)
3
9
14
21
시간 (일)

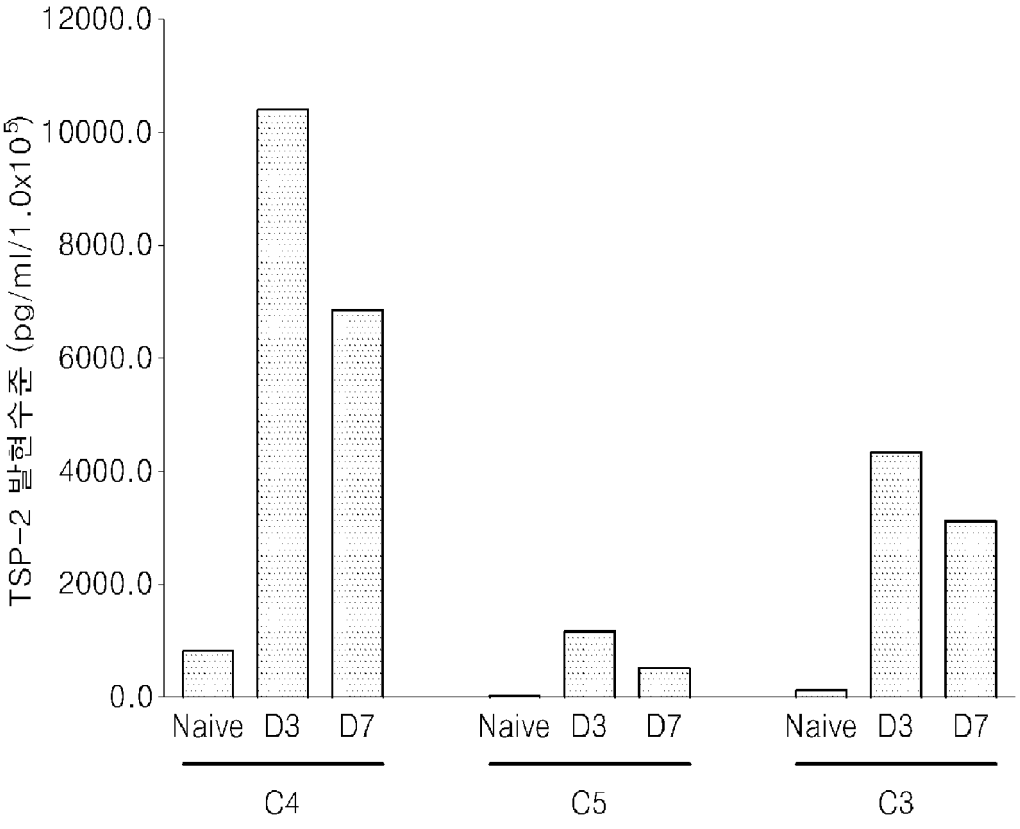
[Fig. 4]


C5
140000
120000
100000
80000
60000
40000
20000
0
농도 (pg/ml)
3
9
14
21
시간 (일)
C6
140000
120000
100000
80000
60000
40000
20000
0
농도 (pg/ml)
3
9
14
21
시간 (일)
C7
140000
120000
100000
80000
60000
40000
20000
0
농도 (pg/ml)
3
9
14
21
시간 (일)

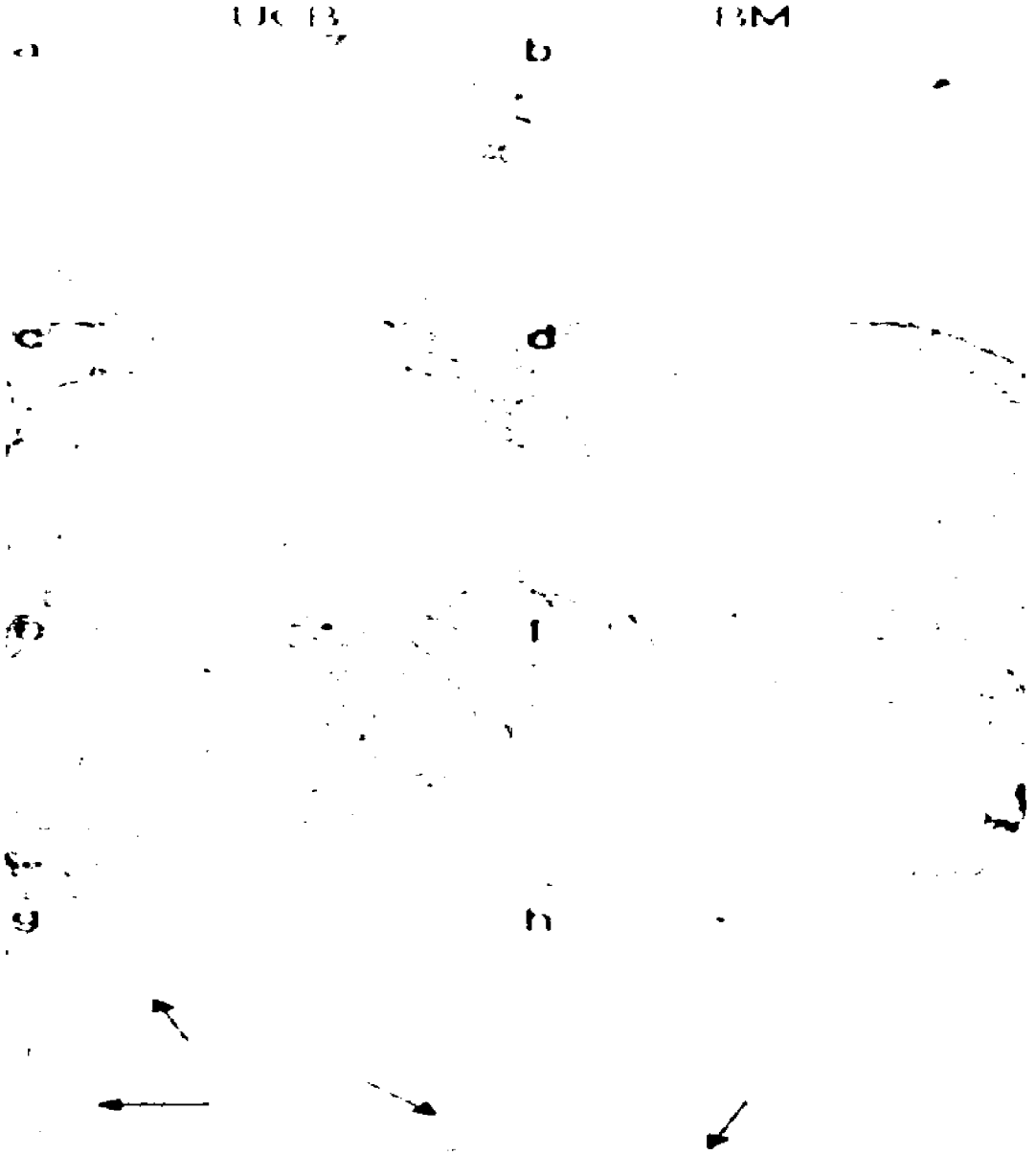
[Fig. 5]


대조군
TSP-2(10ng)

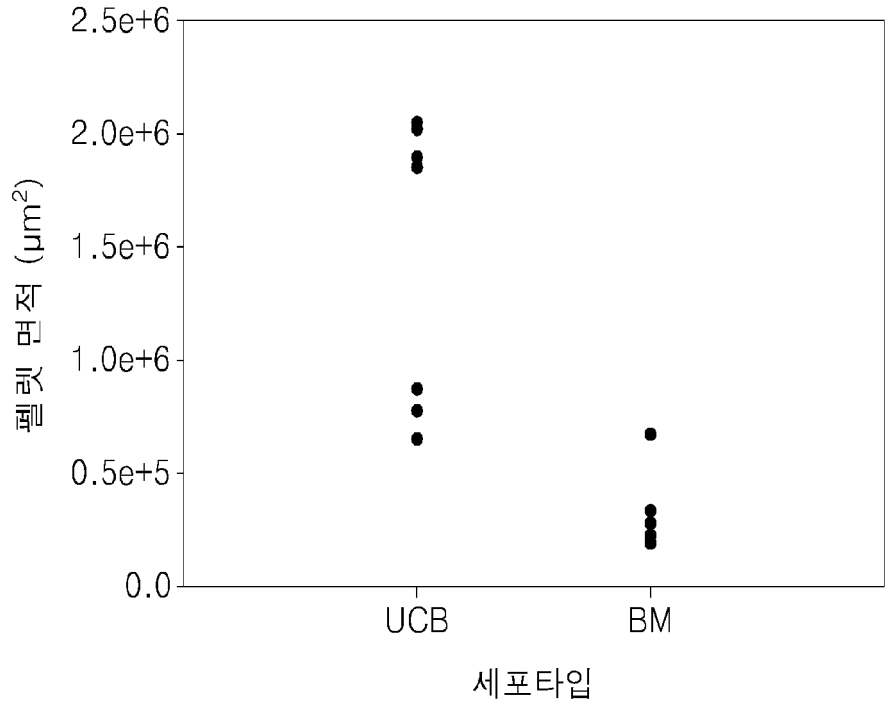
[Fig. 6]


12000.0
10000.0
8000.0
6000.0
4000.0
2000.0
0.0
TSP-2 발현수준 (pg/ml/1.0x10^5)
Naive
D3
D7
Naive
D3
D7
Naive
D3
D7
C4
C5
C3

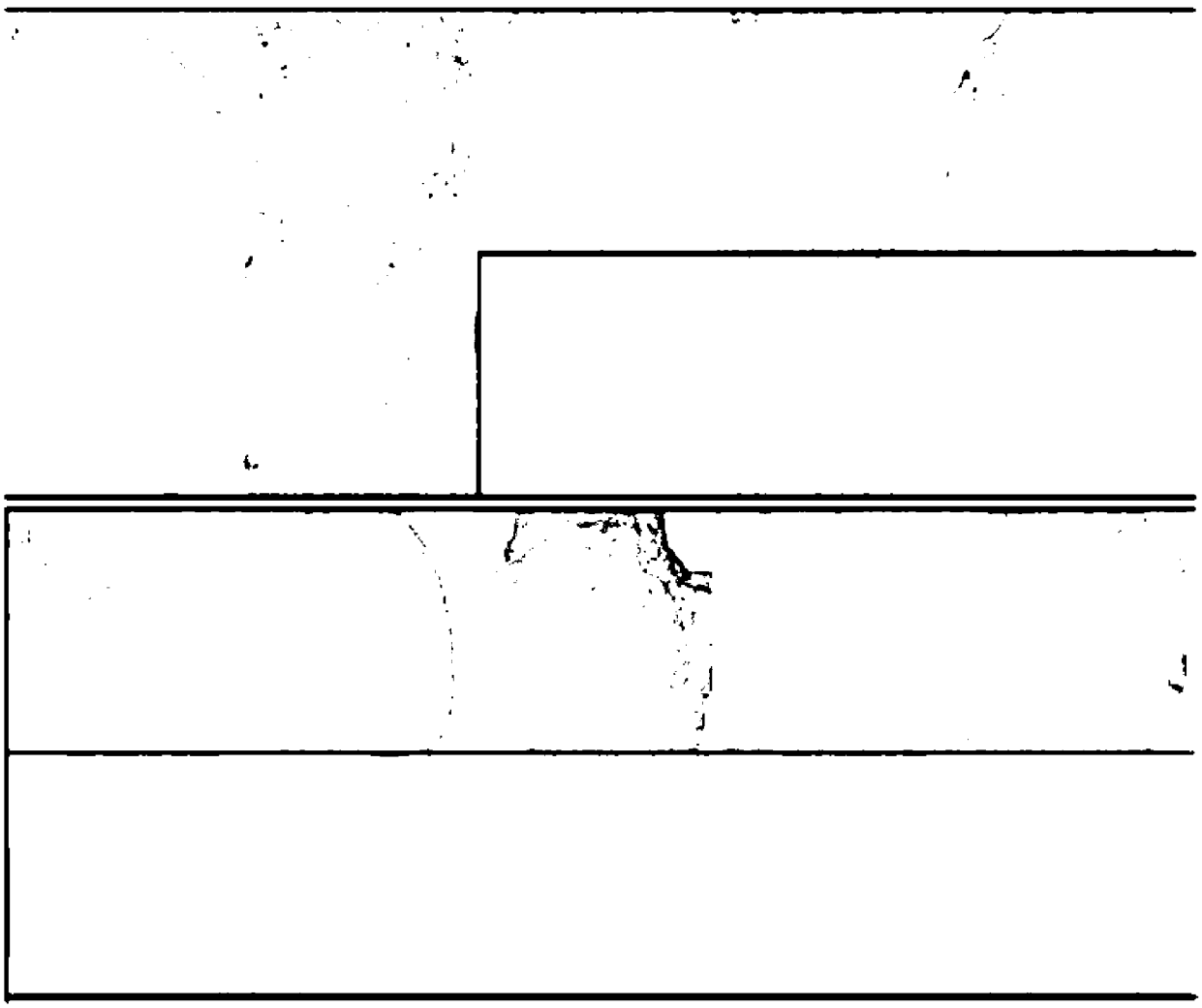
[Fig. 7]



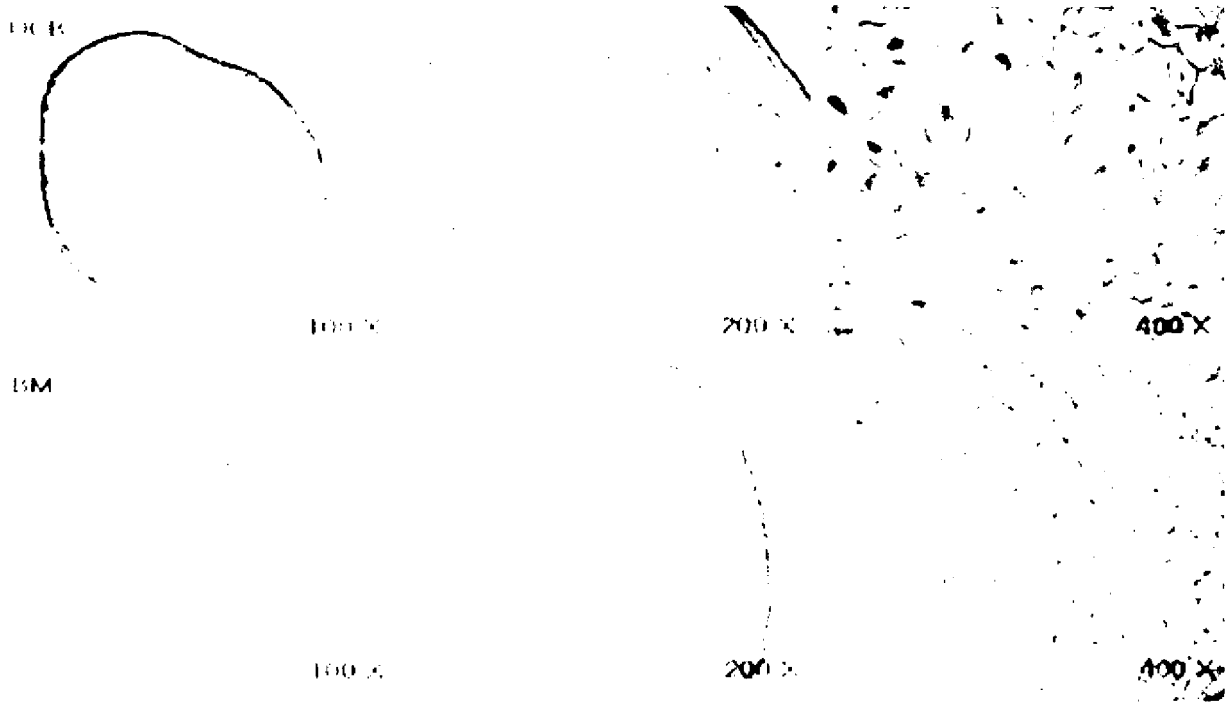
[Fig. 8]



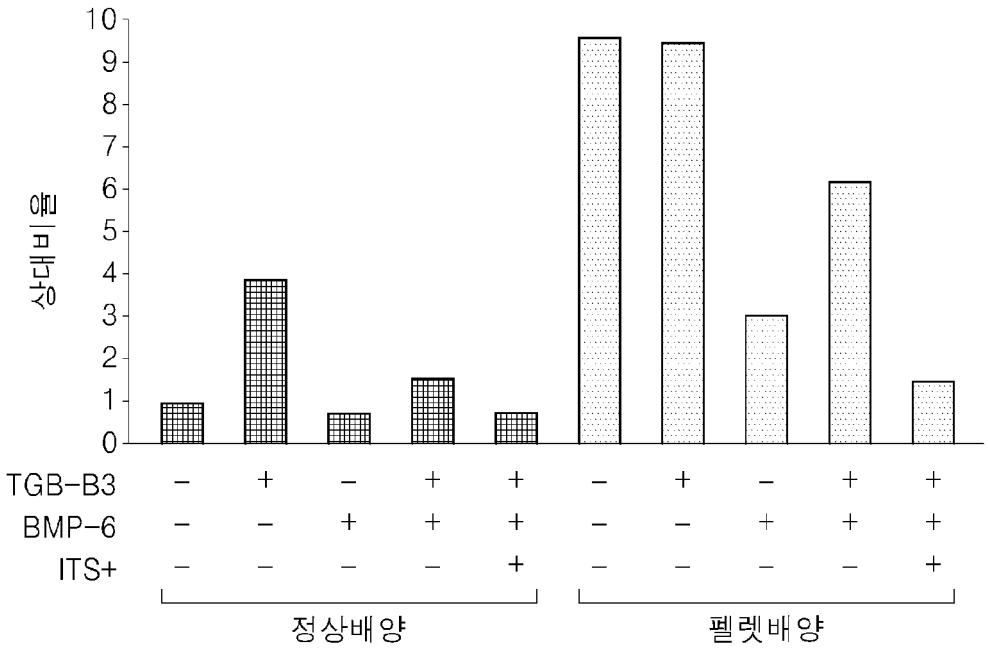
[Fig. 9]



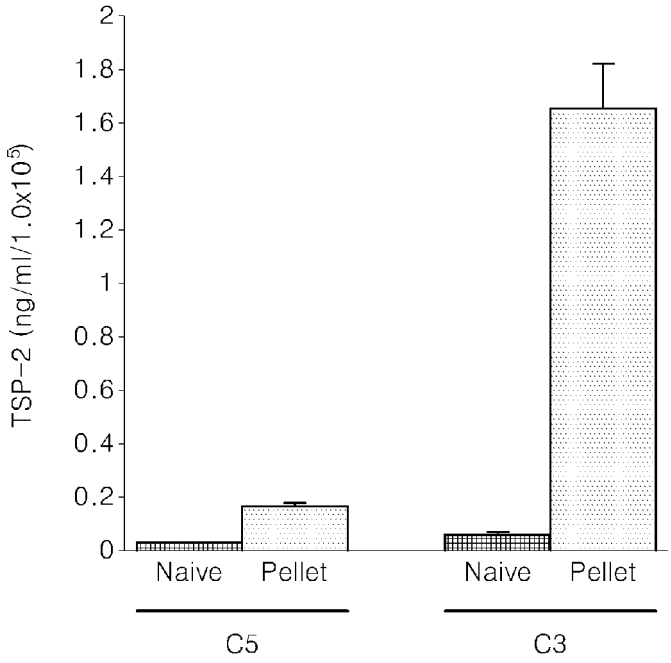
[Fig. 10]



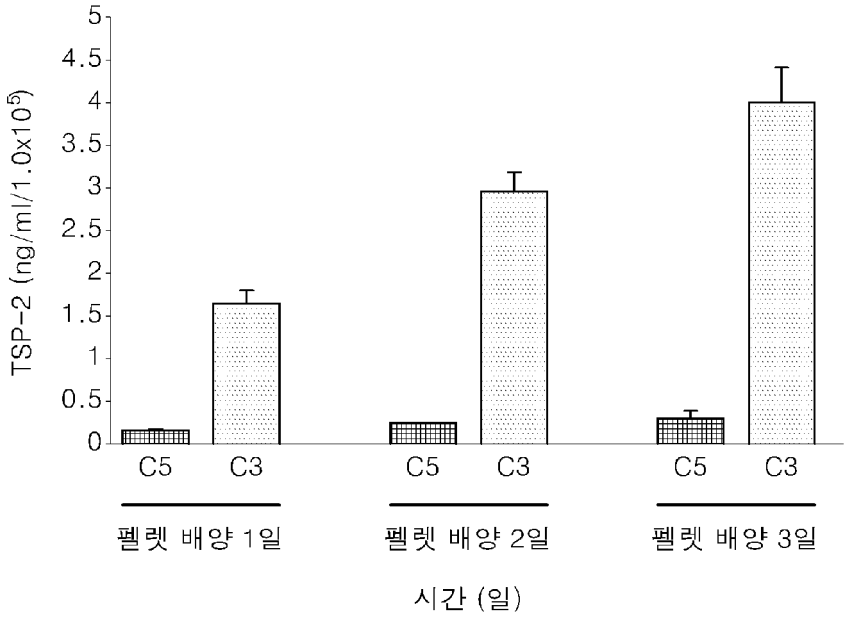
[Fig. 11]



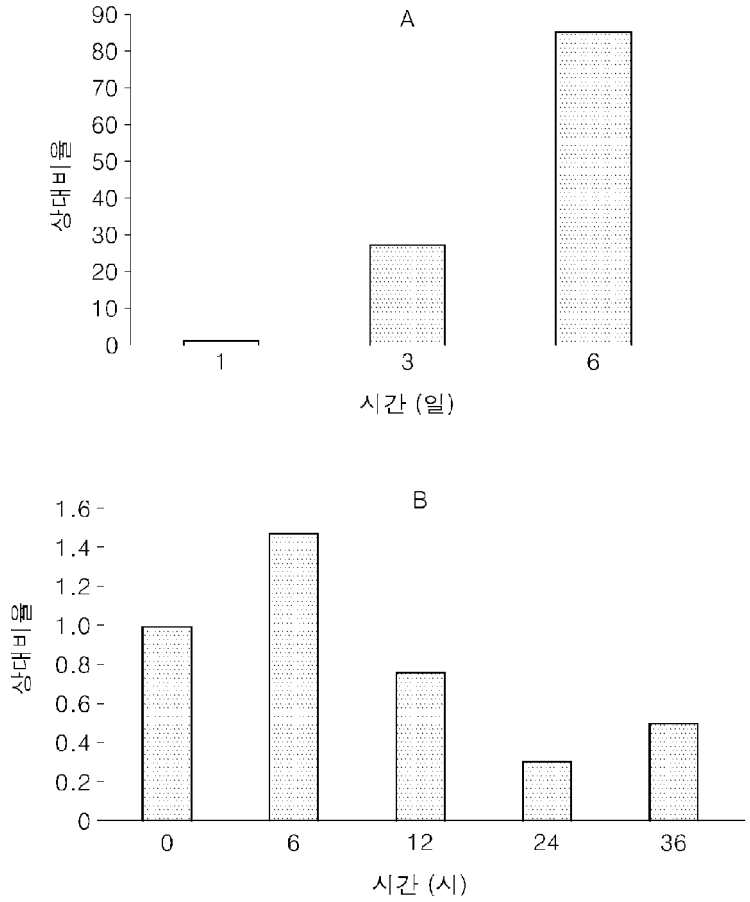
[Fig. 12]


TSP-2 (ng/ml/1.0x10^5)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Naive
Pellet
Naive
Pellet
C5
C3

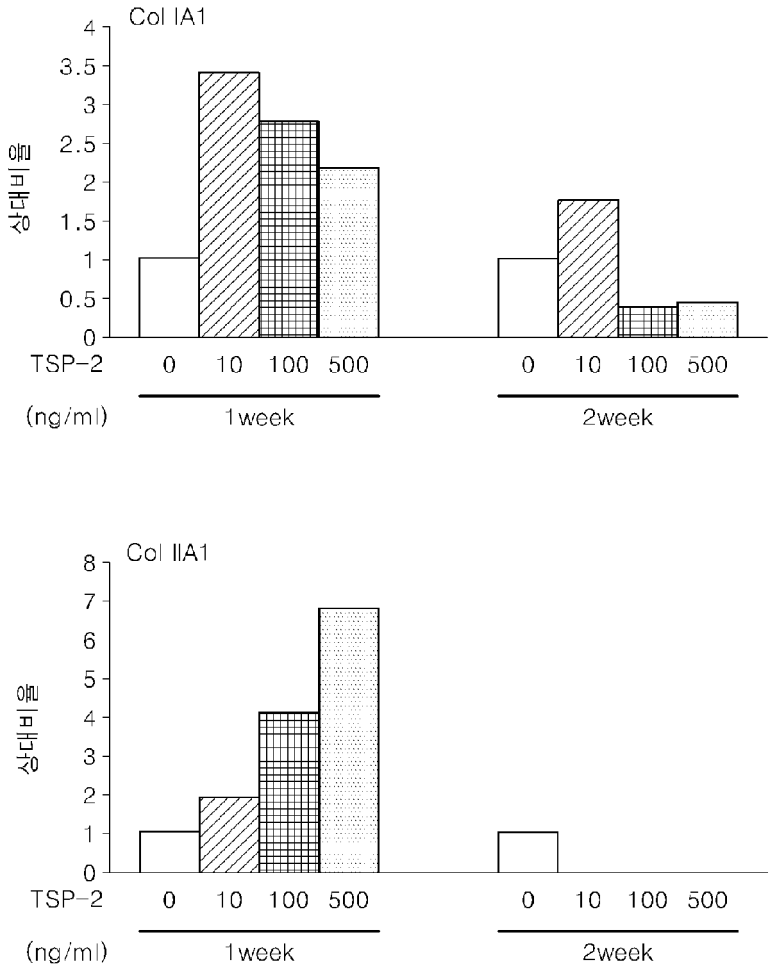
[Fig. 13]


TSP-2 (ng/ml/1.0x10^5)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
C5
C3
C5
C3
C5
C3
펠렛 배양 1일
펠렛 배양 2일
펠렛 배양 3일
시간 (일)

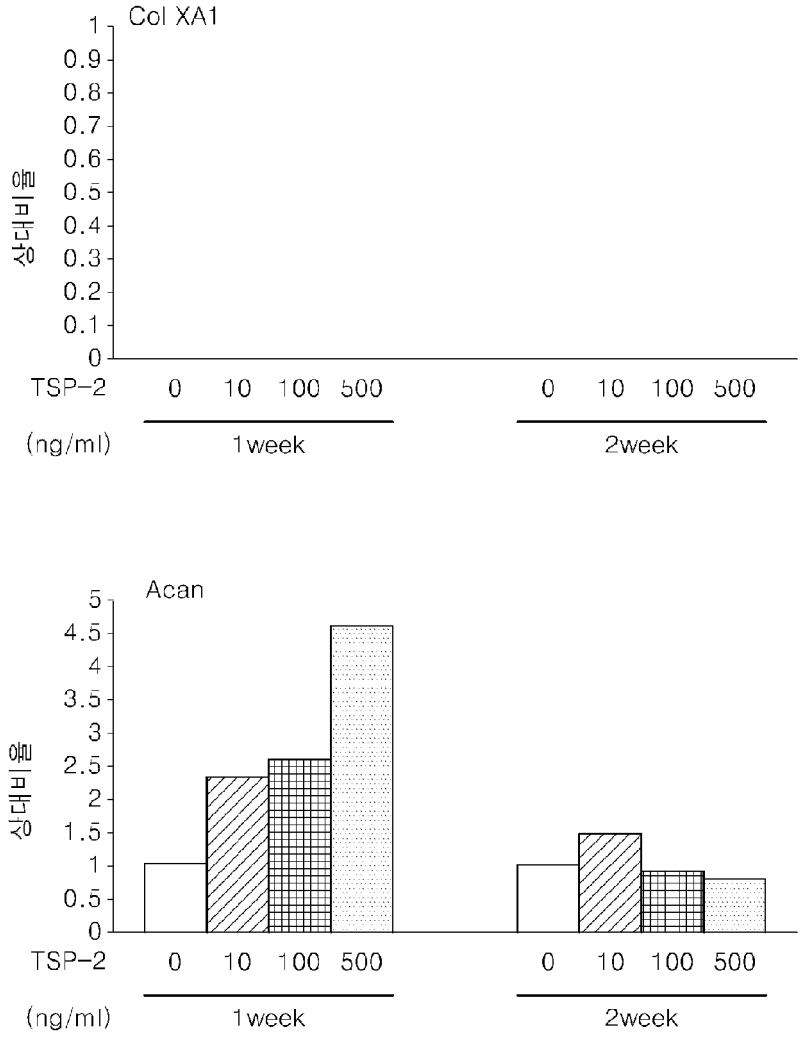
[Fig. 14]


A
상대비율
90
80
70
60
50
40
30
20
10
0
1
3
6
시간 (일)
B
상대비율
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
0
6
12
24
36
시간 (시)

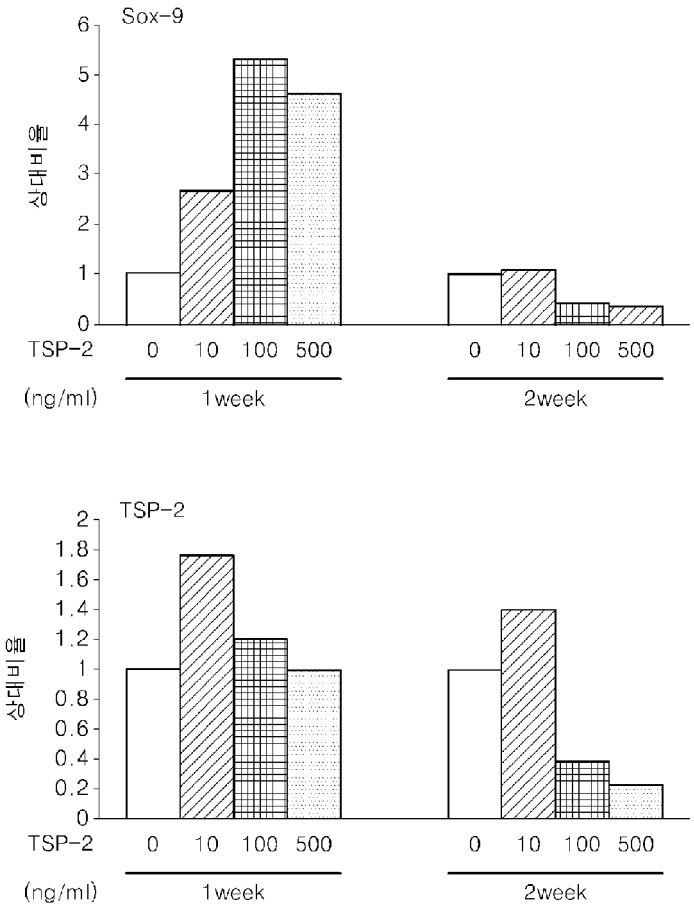
[Fig. 15]


Col IA1
상대비율
4
3.5
3
2.5
2
1.5
1
0.5
0
TSP-2
0 10 100 500
0 10 100 500
(ng/ml)
1week
2week
Col IIA1
상대비율
8
7
6
5
4
3
2
1
0
TSP-2
0 10 100 500
0 10 100 500
(ng/ml)
1week
2week

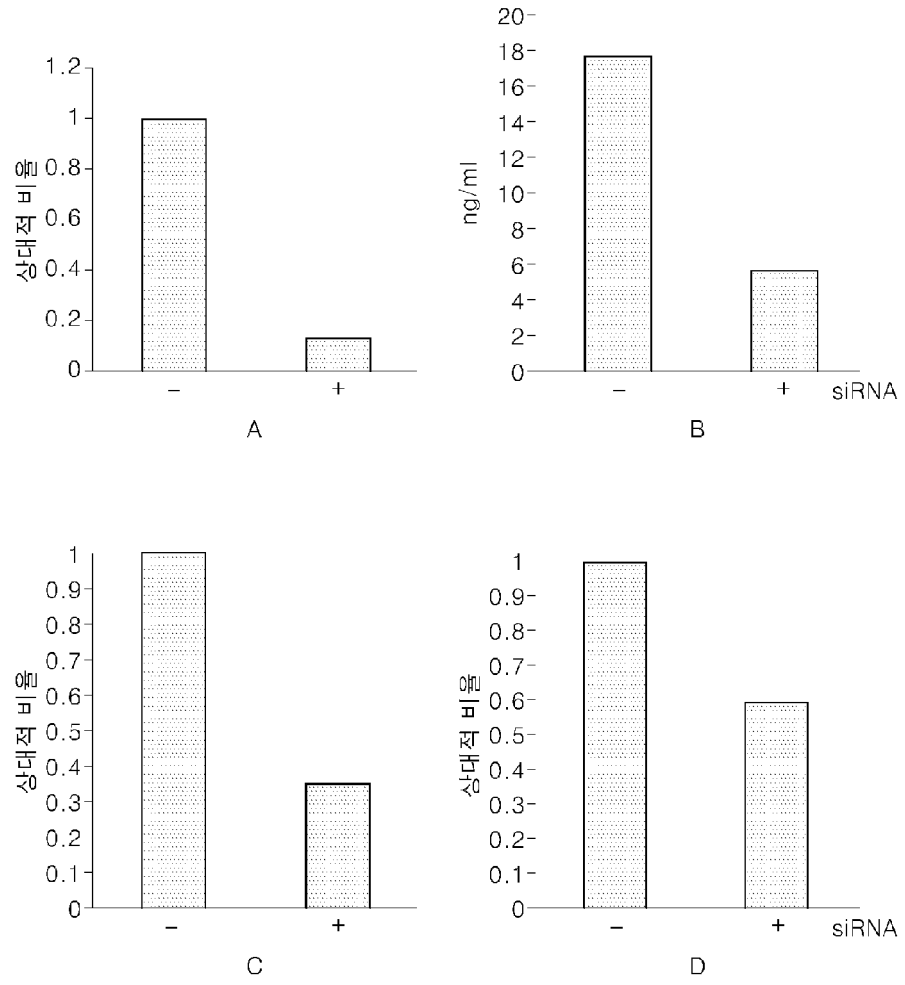
[Fig. 16]


Col XA1
상대비율
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
TSP-2
0 10 100 500
0 10 100 500
(ng/ml)
1week
2week
Acan
상대비율
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
TSP-2
0 10 100 500
0 10 100 500
(ng/ml)
1week
2week

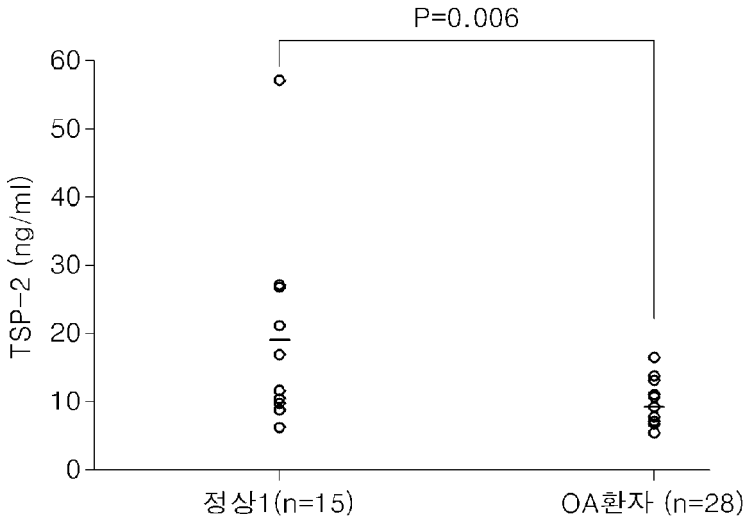
[Fig. 17]


Sox-9
상대비율
6
5
4
3
2
1
0
TSP-2
(ng/ml)
0 10 100 500
0 10 100 500
1week
2week
TSP-2
상대비율
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
TSP-2
(ng/ml)
0 10 100 500
0 10 100 500
1week
2week

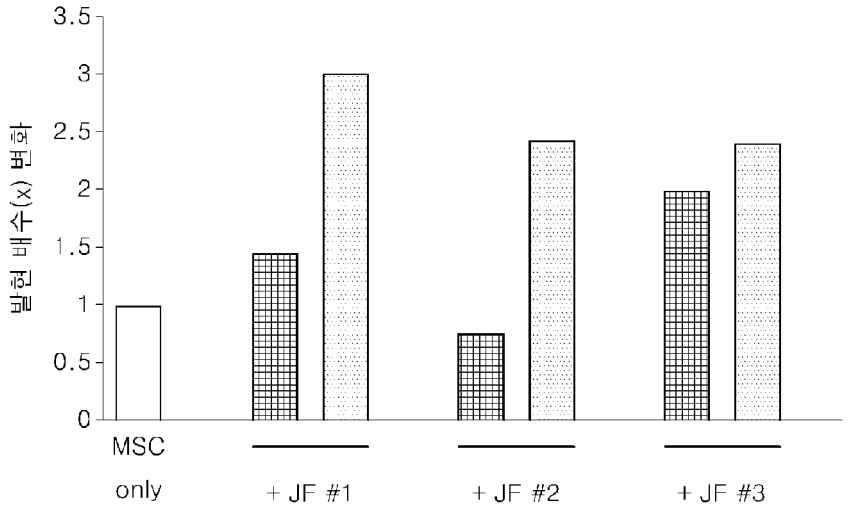
[Fig. 18]


상대적 비율
1.2
1
0.8
0.6
0.4
0.2
0
–
+
A
ng/ml
20
18
16
14
12
10
8
6
4
2
0
–
+
siRNA
B
상대적 비율
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–
+
C
상대적 비율
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–
+
siRNA
D

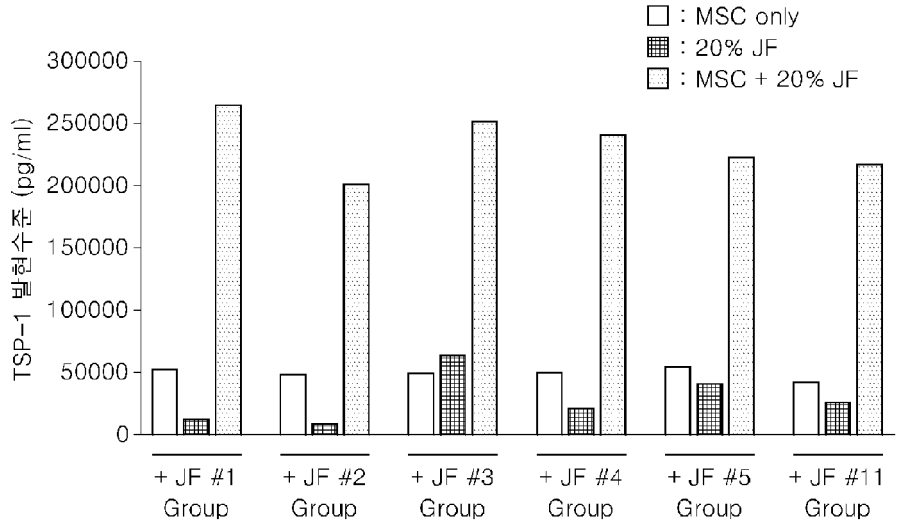
[Fig. 19]


P=0.006
TSP-2 (ng/ml)
60
50
40
30
20
10
0
정상1(n=15)
OA환자 (n=28)

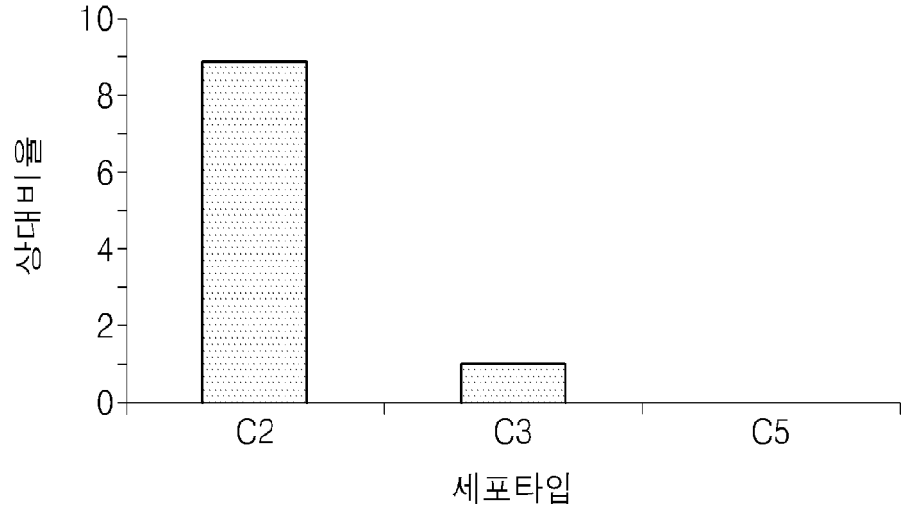
[Fig. 20]



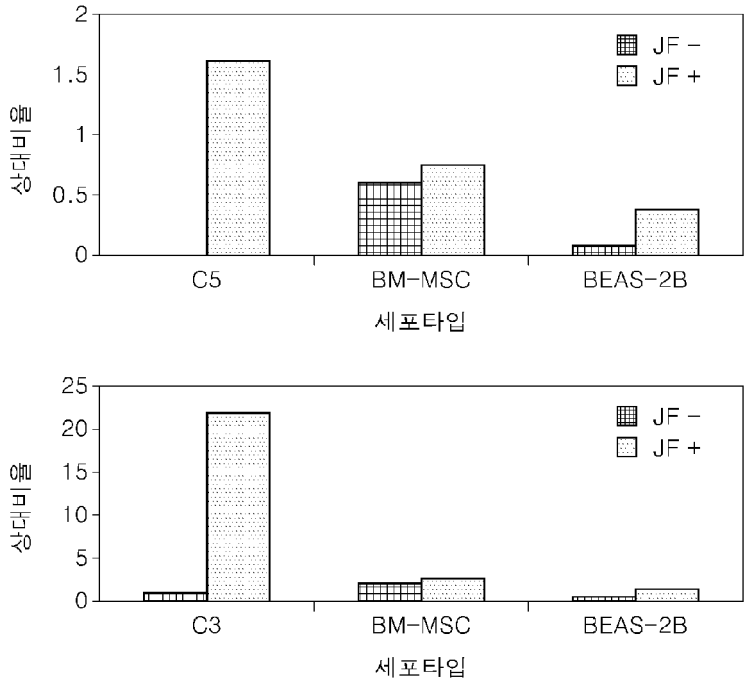
[Fig. 21]



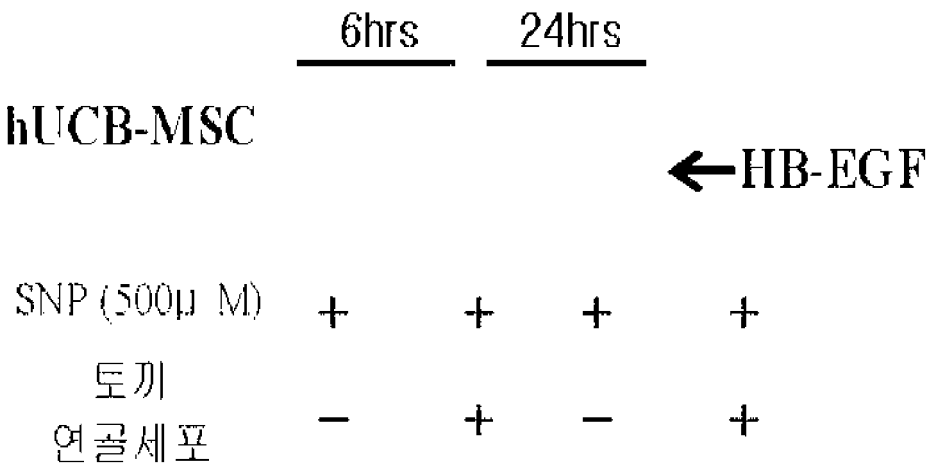
[Fig. 22]



[Fig. 23]



[Fig. 24]



[Fig. 25]

	-SNP	+SNP (500uM)	+SNP (750uM)
연골세포			
연골세포 (with HB-EGF : 50ng/ml)			

[Fig. 26]

