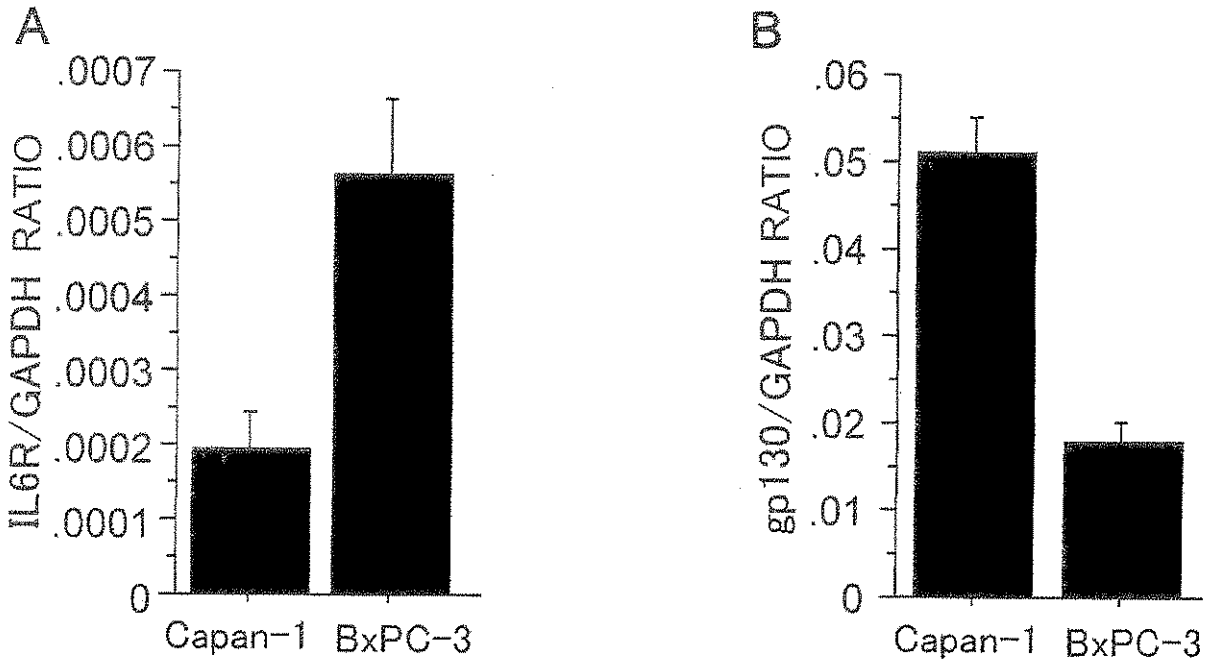

A
IL6R/GAPDH RATIO
.0007
.0006
.0005
.0004
.0003
.0002
.0001
0
Capan-1
BxPC-3
B
gp130/GAPDH RATIO
.06
.05
.04
.03
.02
.01
0
Capan-1
BxPC-3

FIG. 1

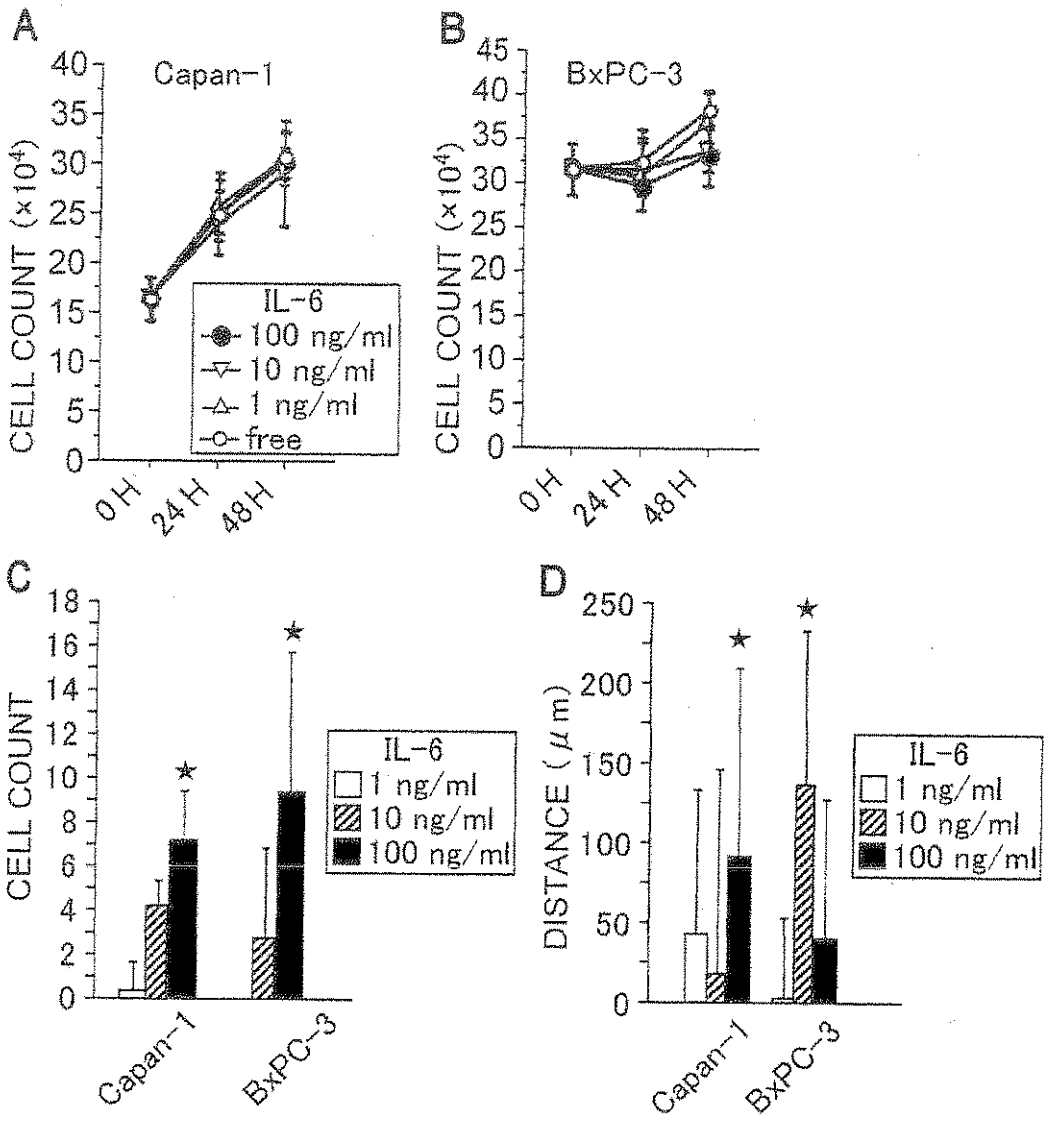

A
Capan-1
CELL COUNT (×10⁴)
IL-6
100 ng/ml
10 ng/ml
1 ng/ml
free
0H
24H
48H
B
BxPC-3
CELL COUNT (×10⁴)
C
CELL COUNT
IL-6
1 ng/ml
10 ng/ml
100 ng/ml
Capan-1
BxPC-3
D
DISTANCE (μm)
IL-6
1 ng/ml
10 ng/ml
100 ng/ml
Capan-1
BxPC-3

FIG. 2

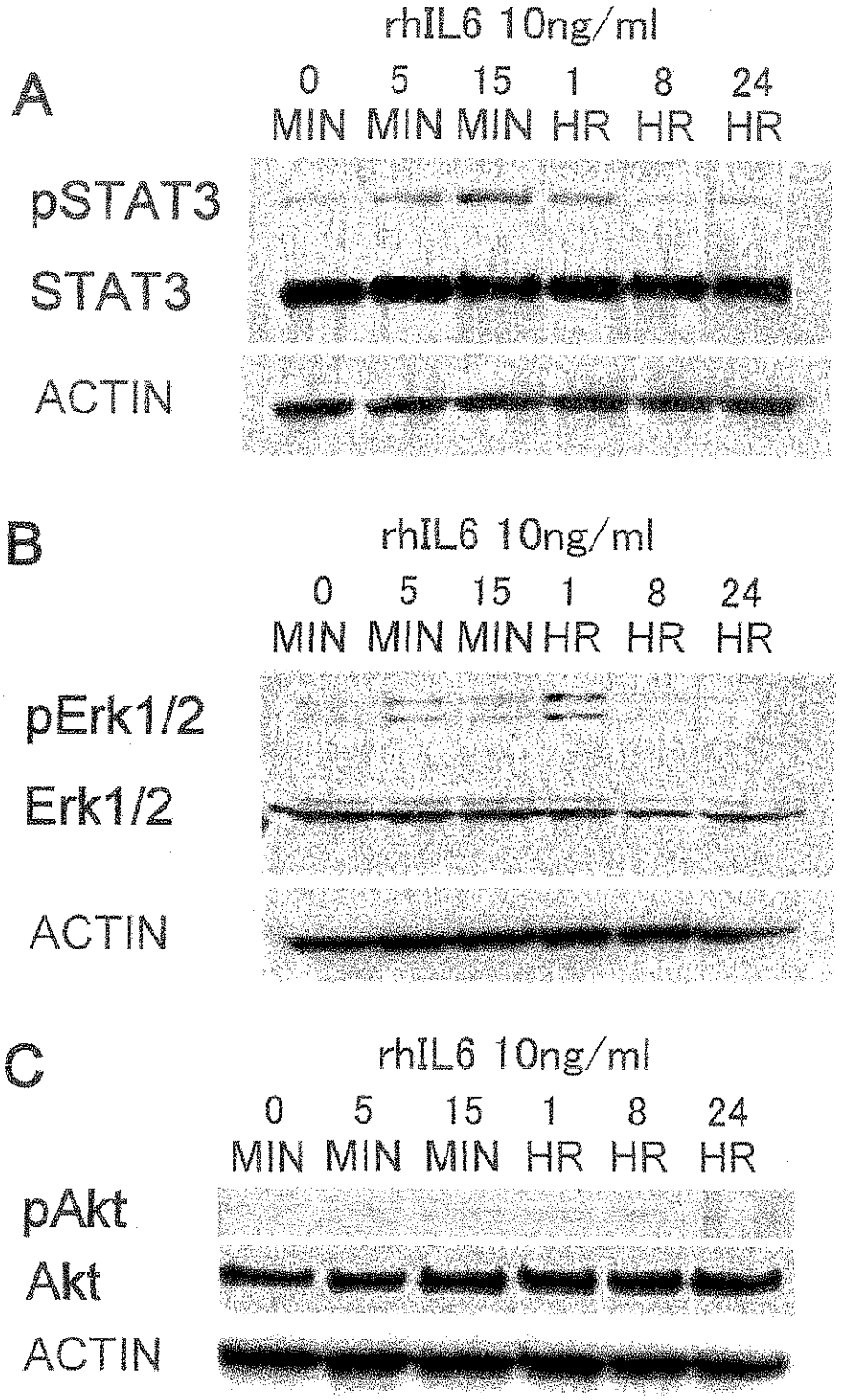

A
rhIL6 10ng/ml
0 MIN
5 MIN
15 MIN
1 HR
8 HR
24 HR
pSTAT3
STAT3
ACTIN
B
rhIL6 10ng/ml
0 MIN
5 MIN
15 MIN
1 HR
8 HR
24 HR
pErk1/2
Erk1/2
ACTIN
C
rhIL6 10ng/ml
0 MIN
5 MIN
15 MIN
1 HR
8 HR
24 HR
pAkt
Akt
ACTIN

FIG. 3

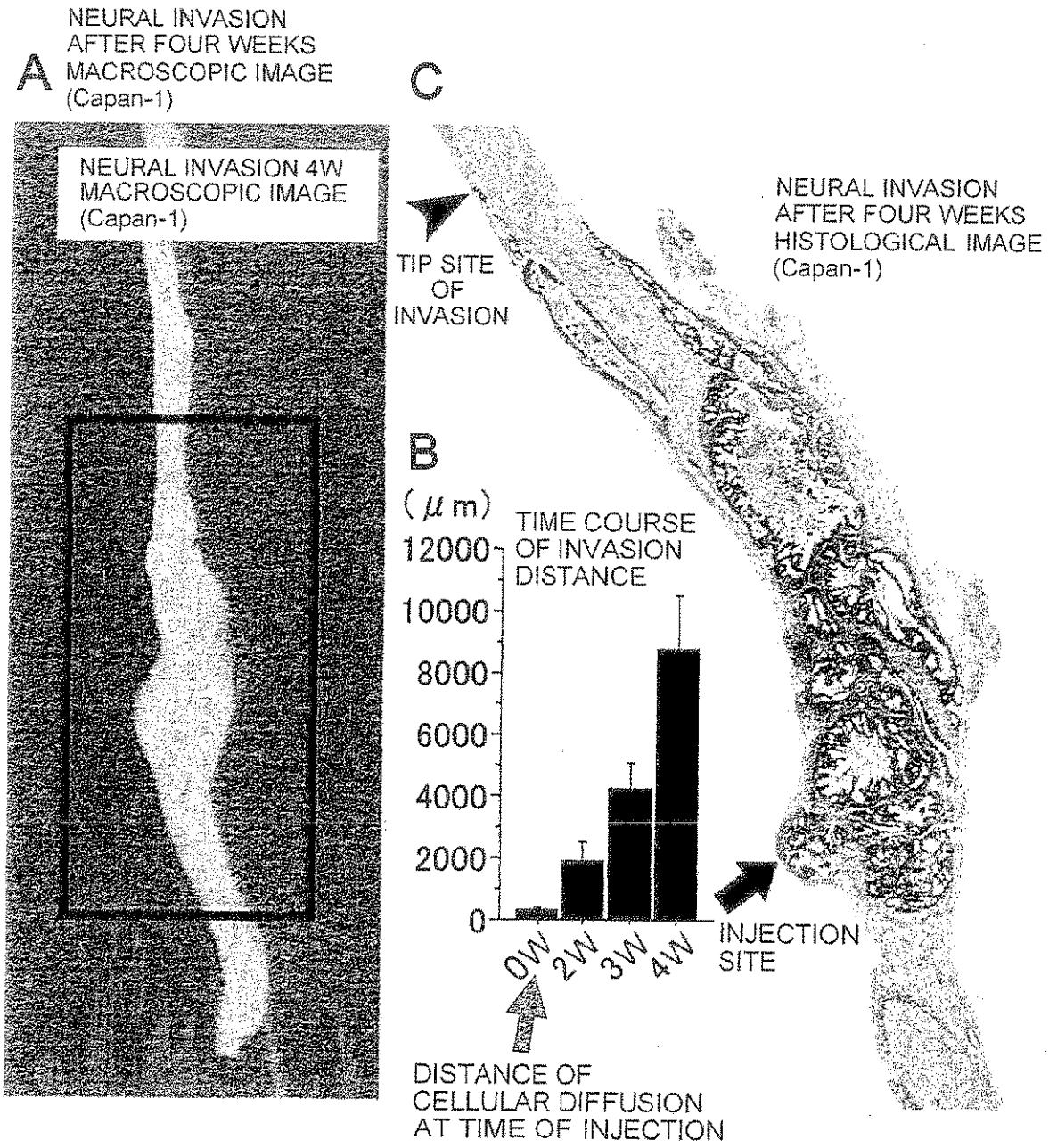

A
NEURAL INVASION
AFTER FOUR WEEKS
MACROSCOPIC IMAGE
(Capan-1)
NEURAL INVASION 4W
MACROSCOPIC IMAGE
(Capan-1)
C
TIP SITE
OF
INVASION
NEURAL INVASION
AFTER FOUR WEEKS
HISTOLOGICAL IMAGE
(Capan-1)
B
(μm)
TIME COURSE
OF INVASION
DISTANCE
12000
10000
8000
6000
4000
2000
0
0W
2W
3W
4W
INJECTION
SITE
DISTANCE OF
CELLULAR DIFFUSION
AT TIME OF INJECTION

FIG. 4

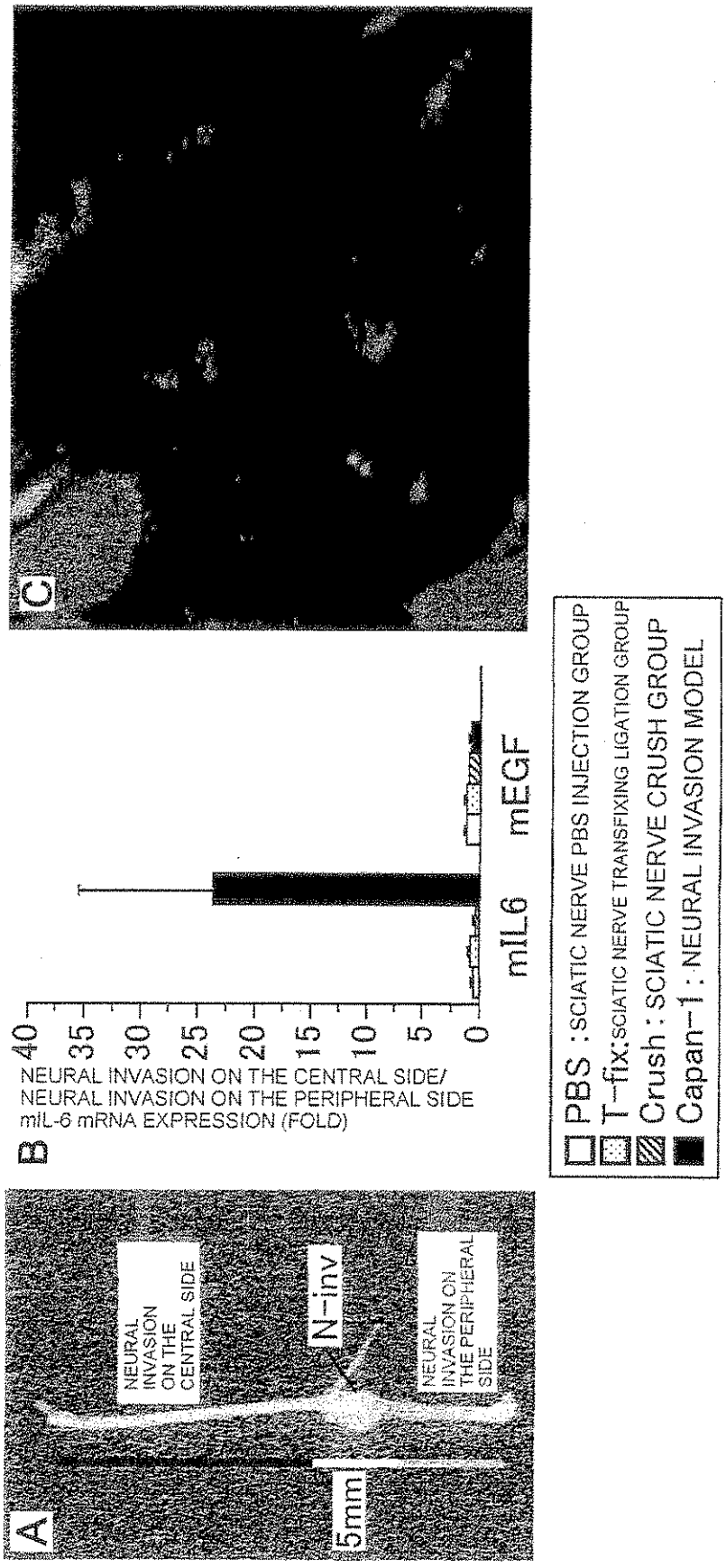

A
NEURAL INVASION ON THE CENTRAL SIDE
N-inv
NEURAL INVASION ON THE PERIPHERAL SIDE
5mm
B
NEURAL INVASION ON THE CENTRAL SIDE/
NEURAL INVASION ON THE PERIPHERAL SIDE
mIL-6 mRNA EXPRESSION (FOLD)
40
35
30
25
20
15
10
5
0
mIL6
mEGF
C
PBS : SCIATIC NERVE PBS INJECTION GROUP
T-fix:SCIATIC NERVE TRANSFIXING LIGATION GROUP
Crush : SCIATIC NERVE CRUSH GROUP
Capan-1 : NEURAL INVASION MODEL

FIG. 5

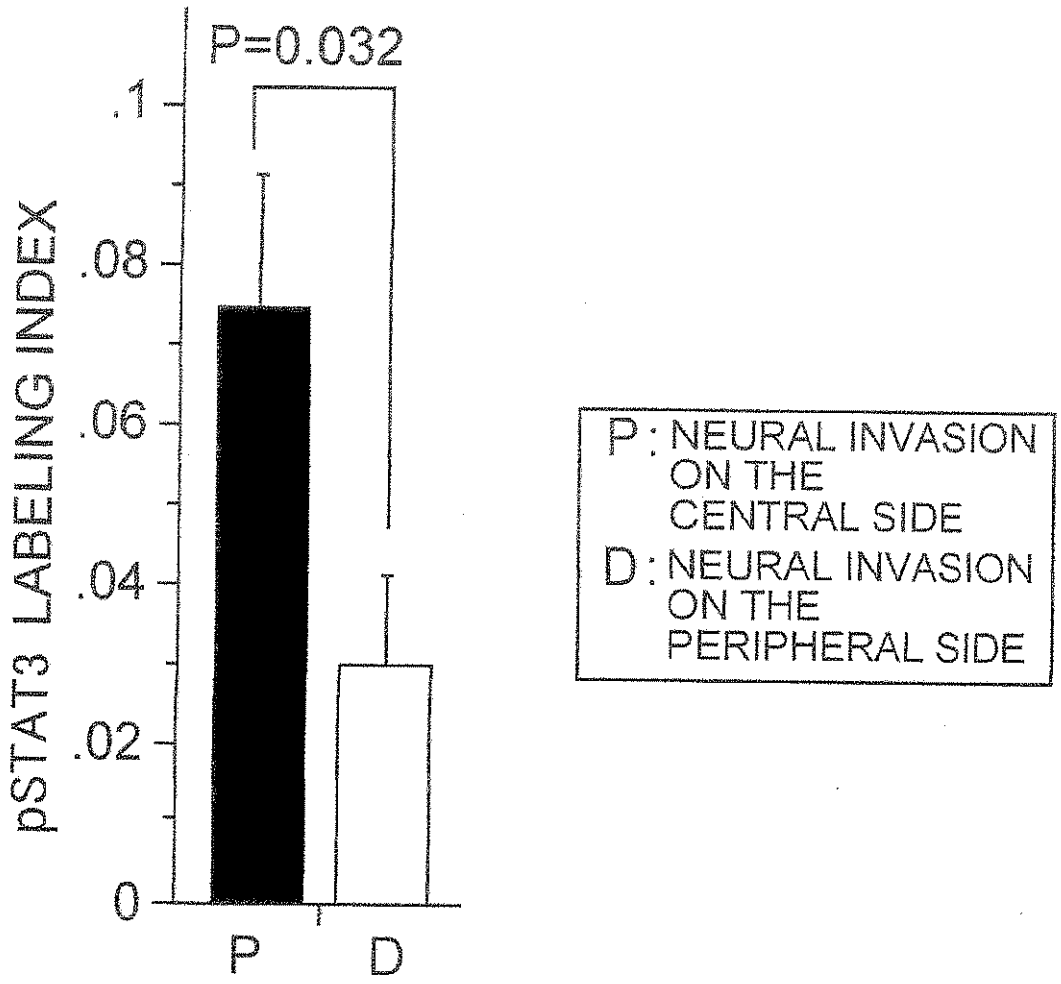

P=0.032
pSTAT3 LABELING INDEX
.1
.08
.06
.04
.02
0
P
D
P : NEURAL INVASION ON THE CENTRAL SIDE
D : NEURAL INVASION ON THE PERIPHERAL SIDE

FIG. 6

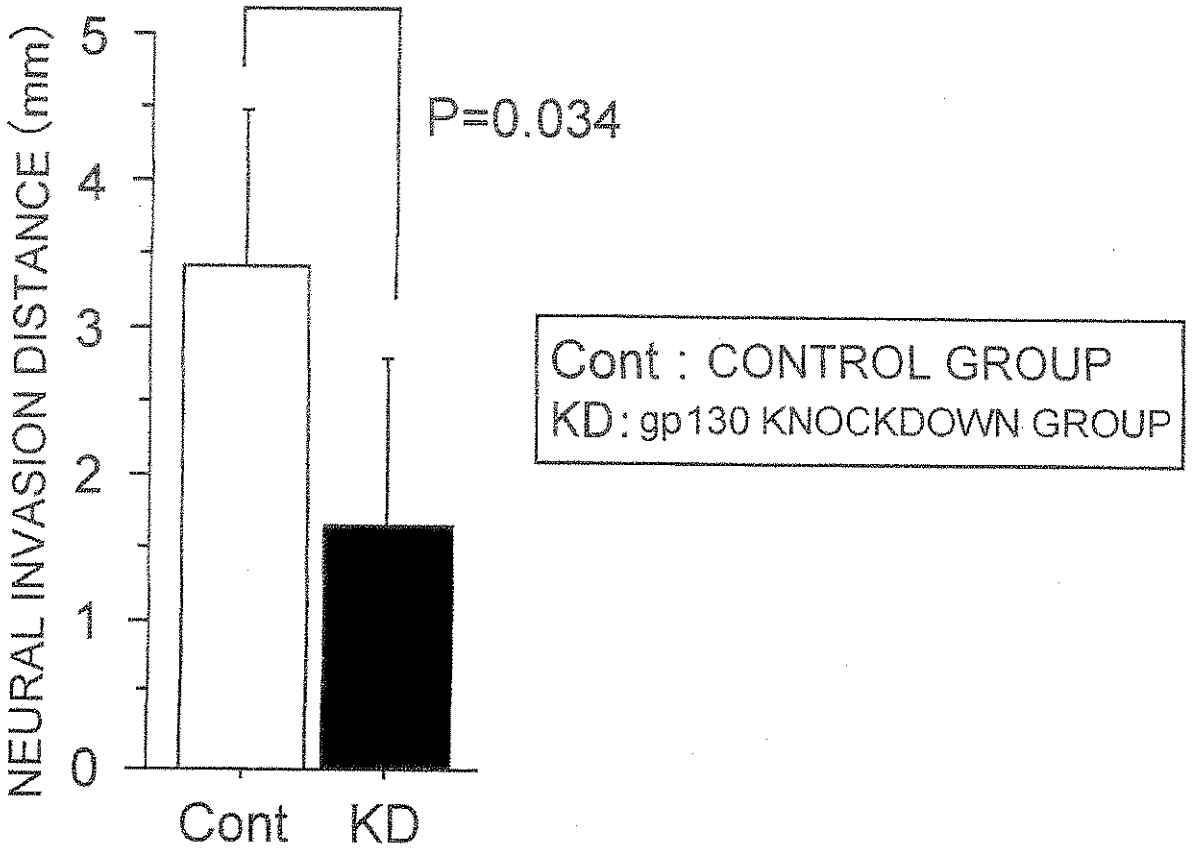

NEURAL INVASION DISTANCE (mm)
0
1
2
3
4
5
P=0.034
Cont
KD
Cont : CONTROL GROUP
KD : gp130 KNOCKDOWN GROUP

FIG. 7

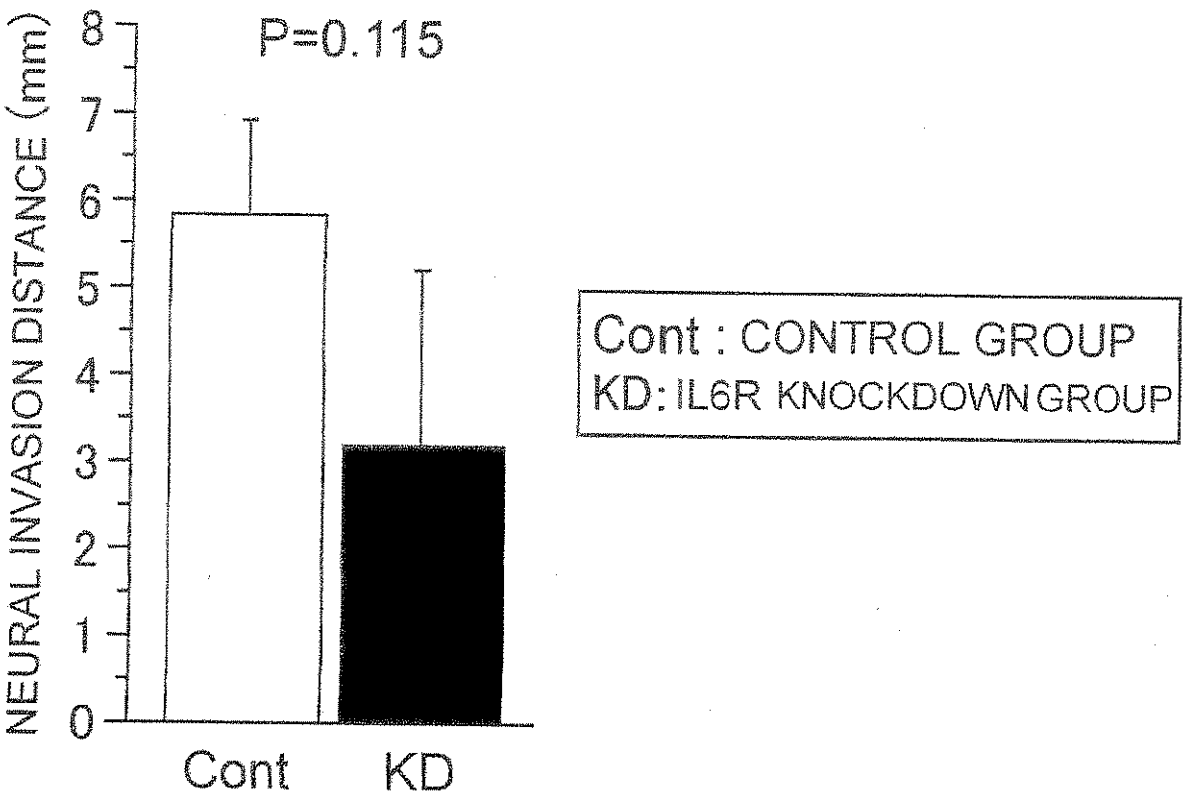

NEURAL INVASION DISTANCE (mm)
0
1
2
3
4
5
6
7
8
P=0.115
Cont
KD
Cont : CONTROL GROUP
KD: IL6R KNOCKDOWN GROUP

FIG. 8

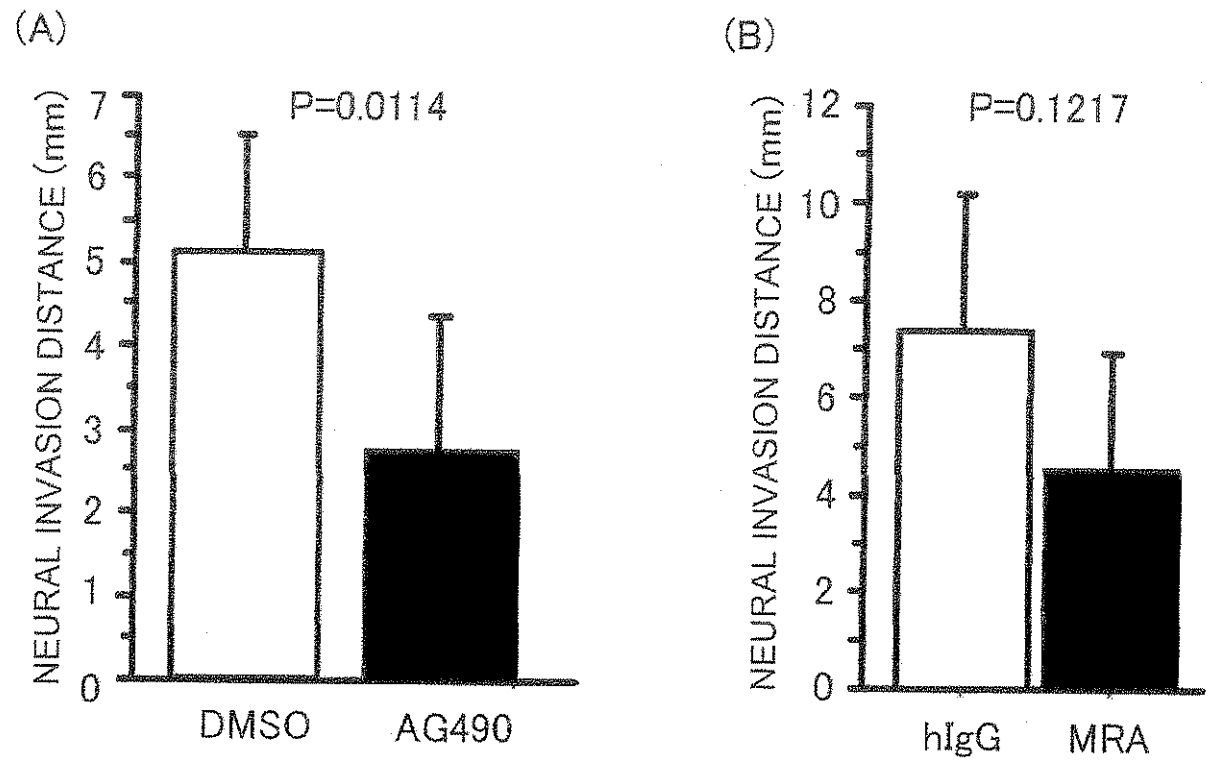

(A)
NEURAL INVASION DISTANCE (mm)
0
1
2
3
4
5
6
7
P=0.0114
DMSO
AG490
(B)
NEURAL INVASION DISTANCE (mm)
0
2
4
6
8
10
12
P=0.1217
hIgG
MRA

FIG. 9