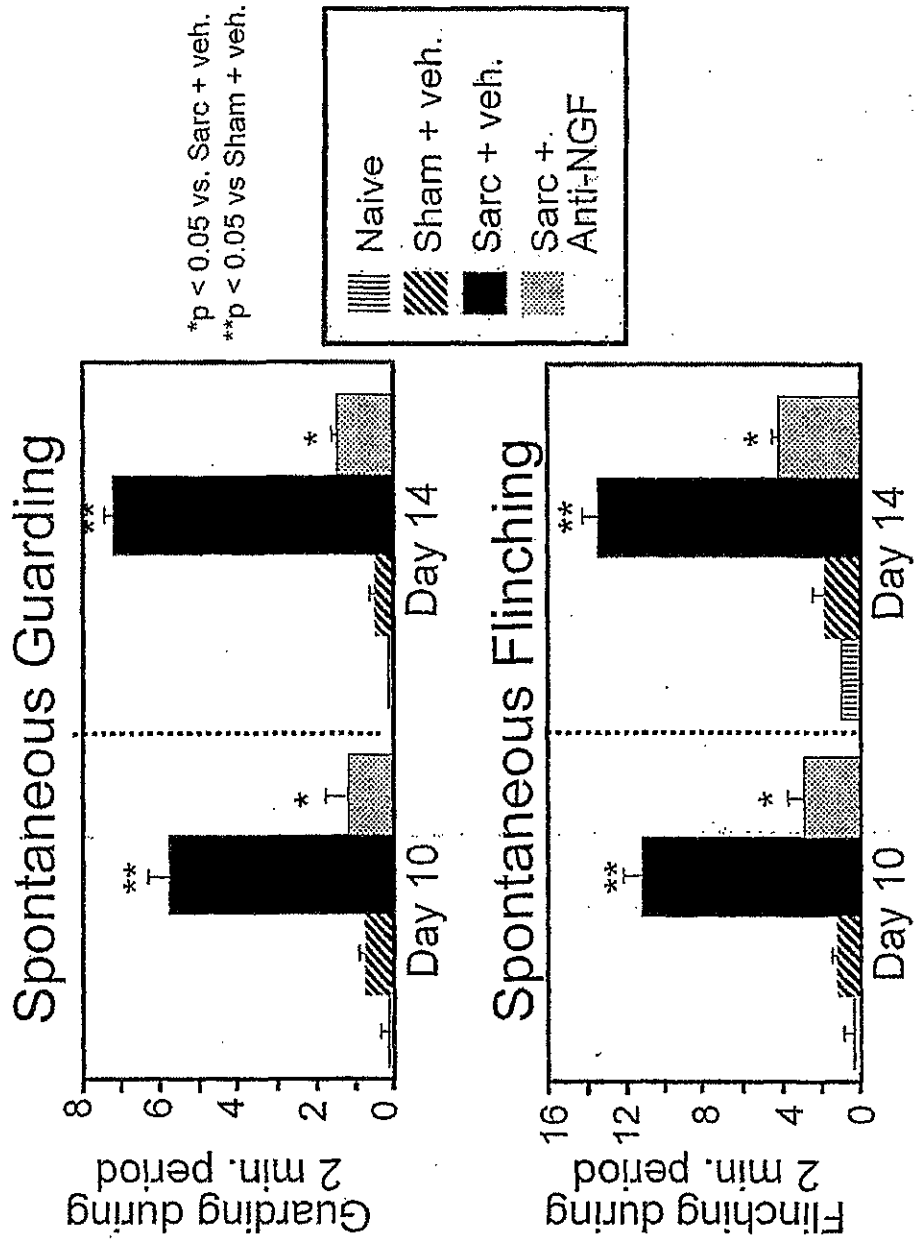

Spontaneous Guarding
Guarding during 2 min. period
Day 10
Day 14
Spontaneous Flinching
Flinching during 2 min. period
Day 10
Day 14
*p < 0.05 vs. Sarc + veh.
**p < 0.05 vs Sham + veh.
Naive
Sham + veh.
Sarc + veh.
Sarc + Anti-NGF

Figure 1

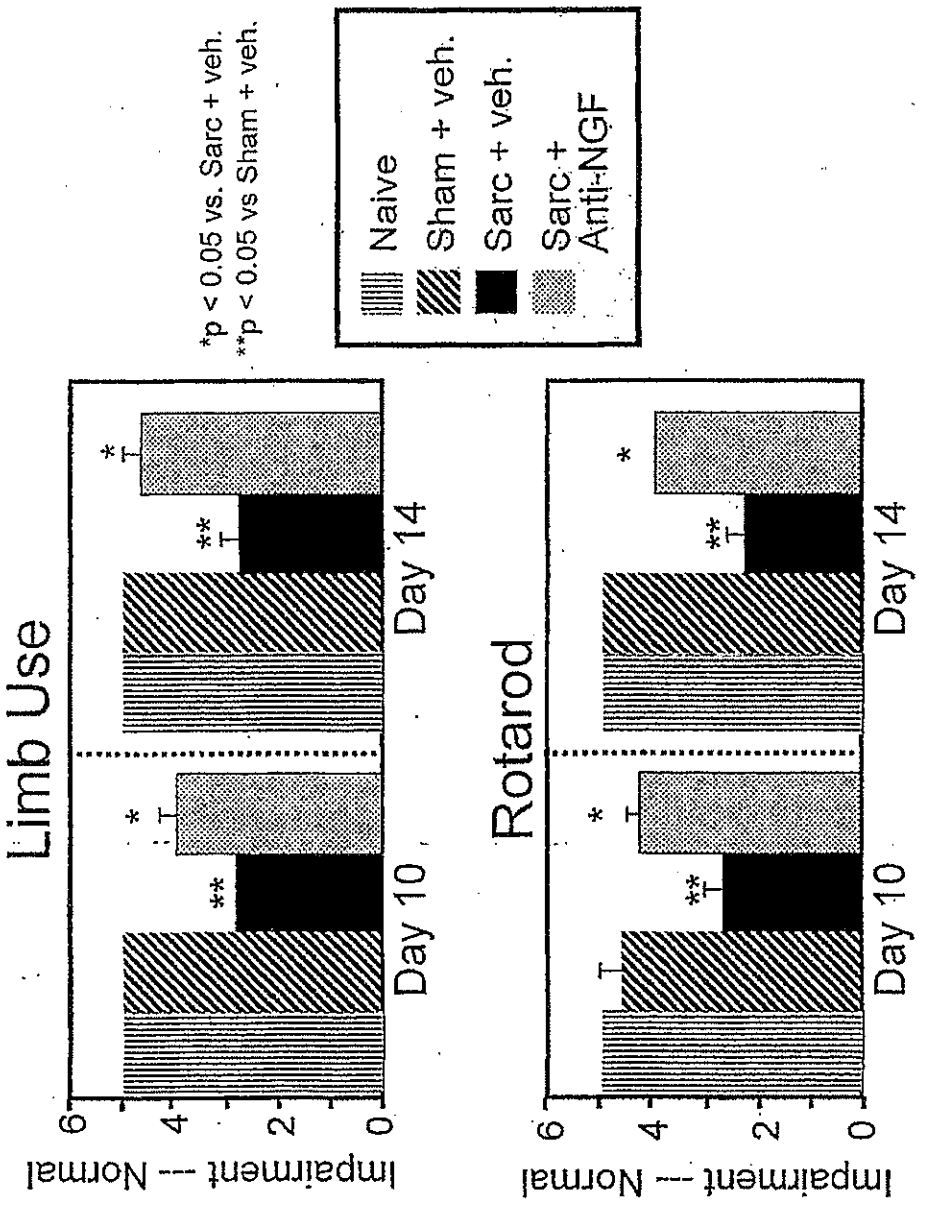

Limb Use
Rotarod
Impairment --- Normal
0
2
4
6
Day 10
Day 14
*
**
*p < 0.05 vs. Sarc + veh.
**p < 0.05 vs Sham + veh.
Naive
Sham + veh.
Sarc + veh.
Sarc + Anti-NGF

Figure 2

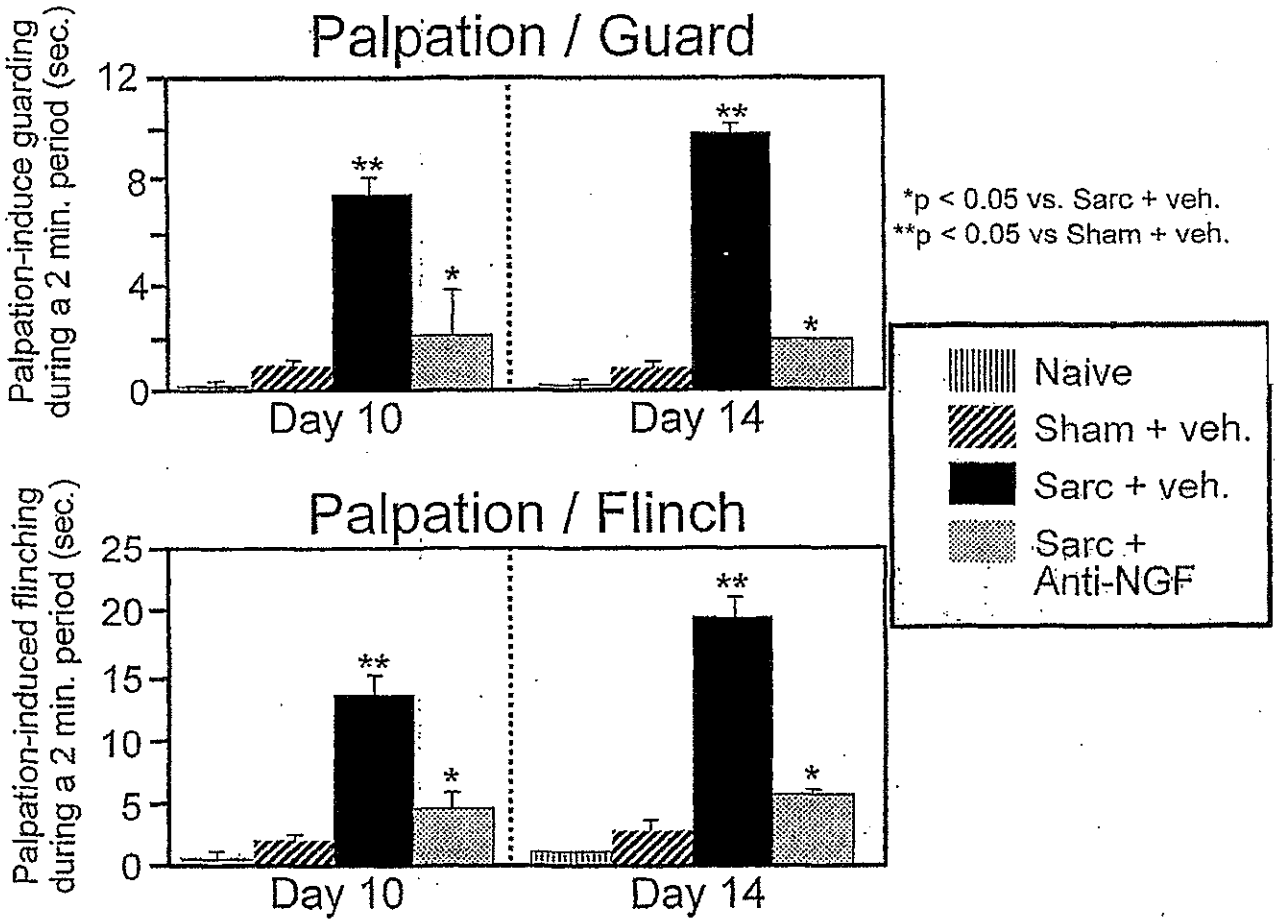

Palpation / Guard
Palpation-induce guarding during a 2 min. period (sec.)
12
8
4
0
**
*
**
*
Day 10
Day 14
*p < 0.05 vs. Sarc + veh.
**p < 0.05 vs Sham + veh.
Naive
Sham + veh.
Sarc + veh.
Sarc + Anti-NGF
Palpation / Flinch
Palpation-induced flinching during a 2 min. period (sec.)
25
20
15
10
5
0
**
*
**
*
Day 10
Day 14

Figure 3

FIG. 4

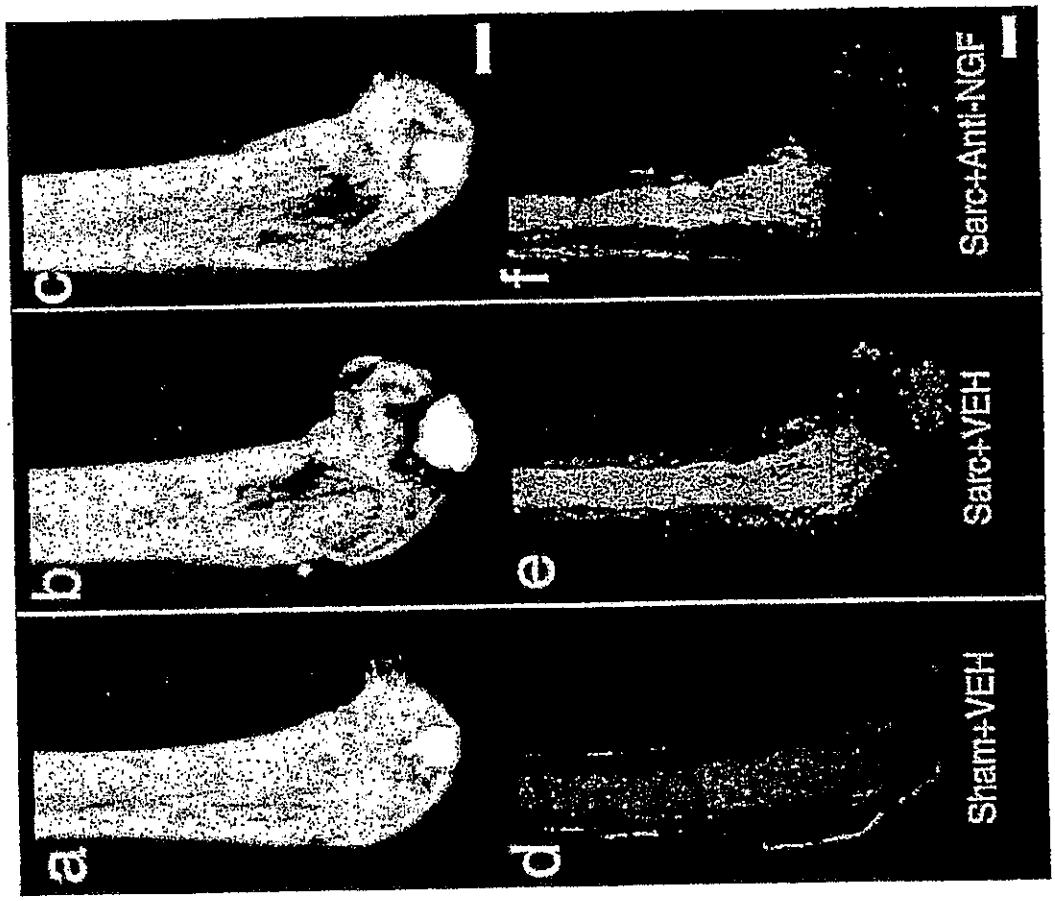


FIG. 5

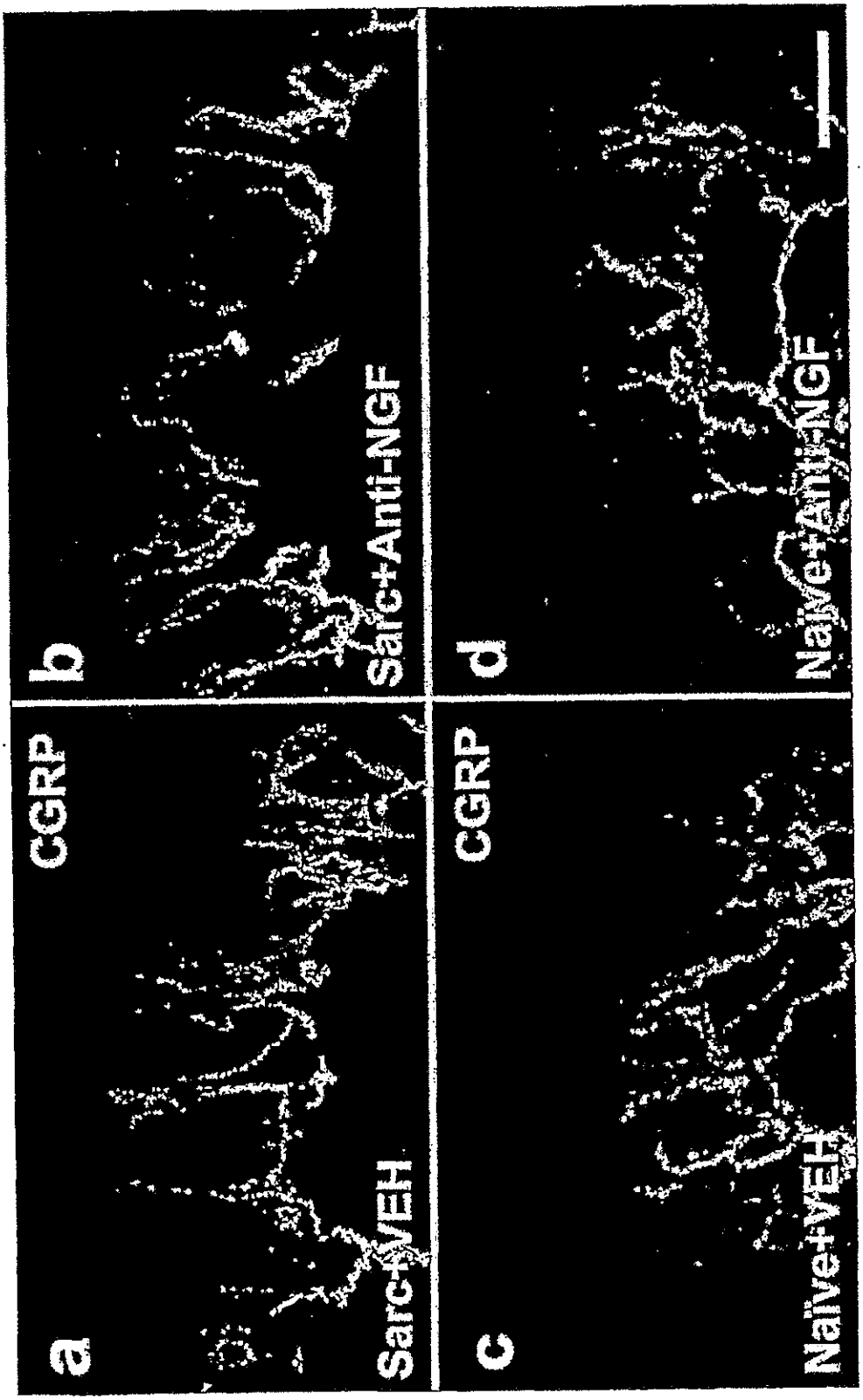

a
CGRP
Sarc+VEH
b
Sarc+Anti-NGF
c
CGRP
Naïve+VEH
d
Naïve+Anti-NGF

FIG. 6

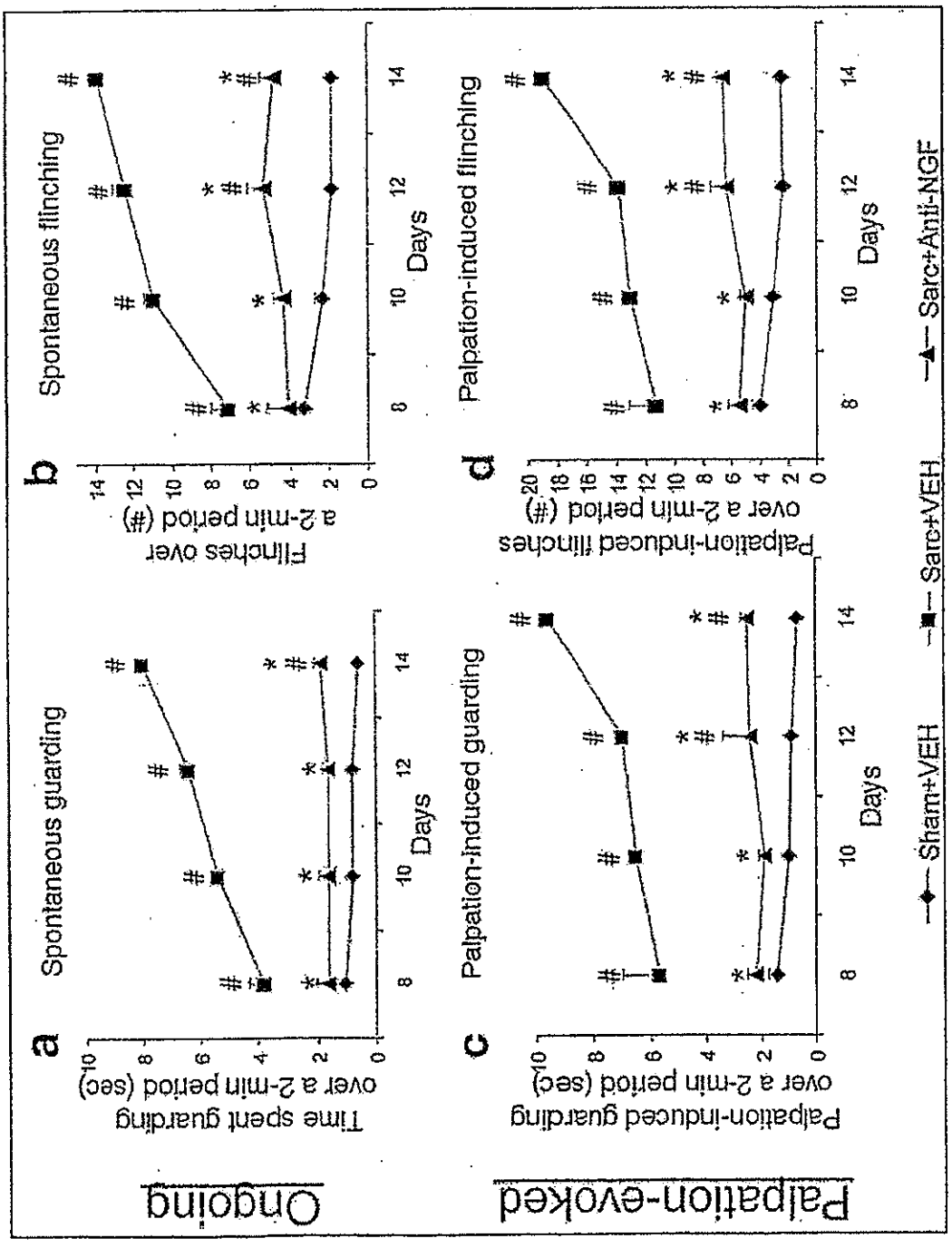

Ongoing
Palpation-evoked
a
Spontaneous guarding
Time spent guarding over a 2-min period (sec)
b
Spontaneous flinching
Flinches over a 2-min period (#)
c
Palpation-induced guarding
Palpation-induced guarding over a 2-min period (sec)
d
Palpation-induced flinching
Palpation-induced flinches over a 2-min period (#)
Days
Sham+VEH
Sarc+VEH
Sarc+Anti-NGF

FIG. 7

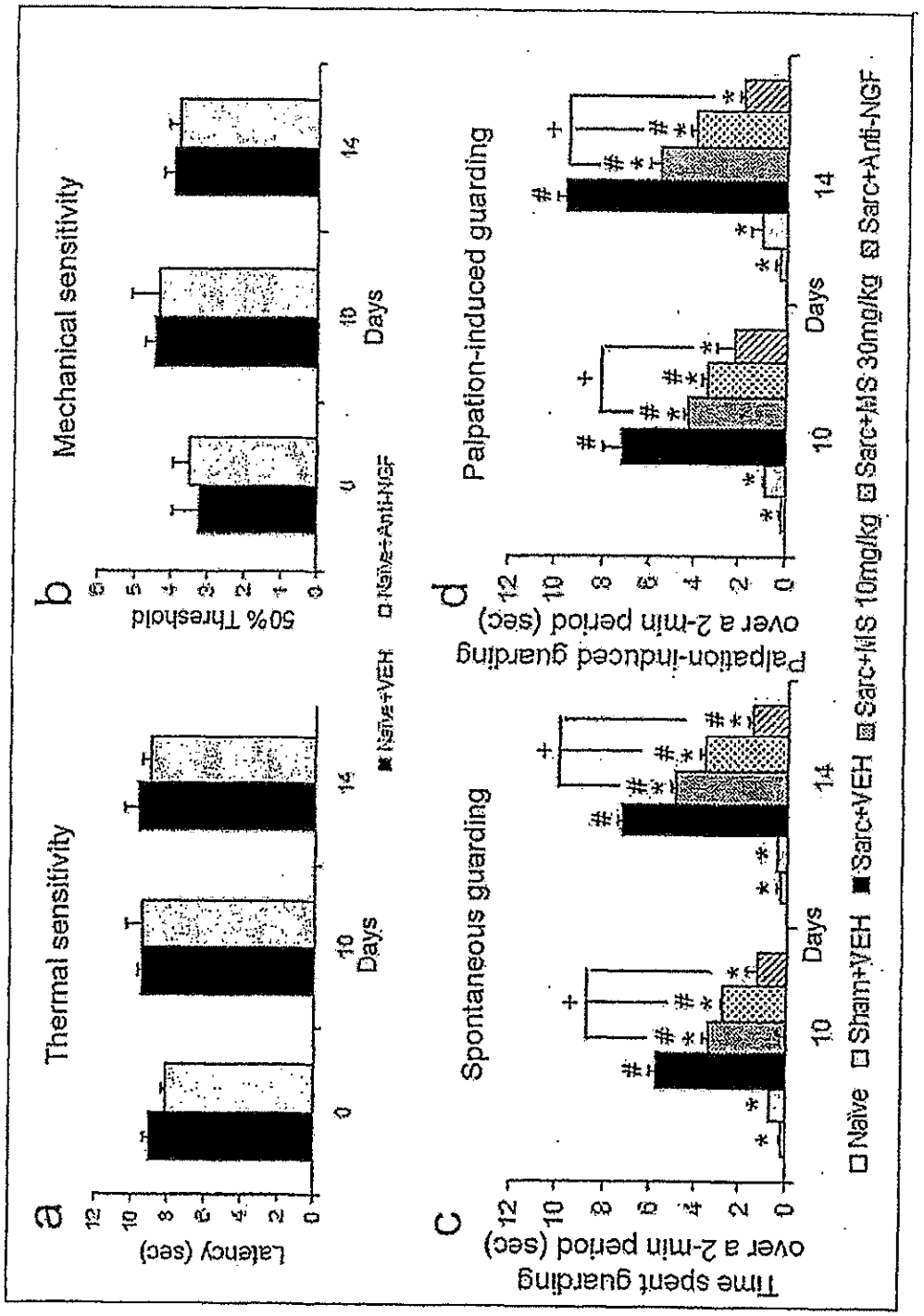

a
Thermal sensitivity
Latency (sec)
Days
b
Mechanical sensitivity
50% Threshold
Days
Naïve+VEH
Naïve+Anti-NGF
c
Spontaneous guarding
Time spent guarding over a 2-min period (sec)
Days
d
Palpation-induced guarding
Palpation-induced guarding over a 2-min period (sec)
Days
Naïve
Sham+VEH
Sarc+VEH
Sarc+MS 10mg/kg
Sarc+MS 30mg/kg
Sarc+Anti-NGF

FIG. 8

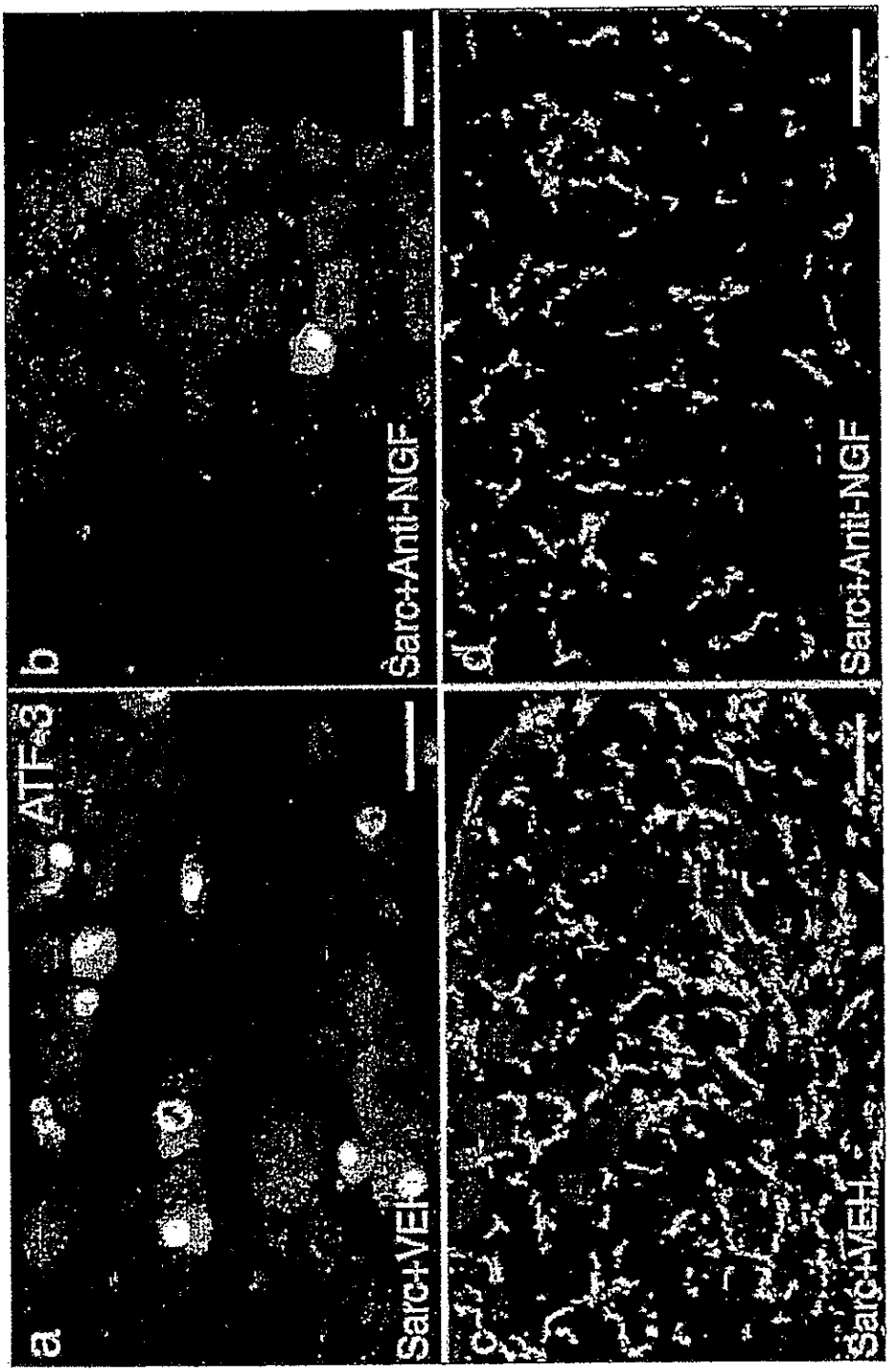


FIG. 9

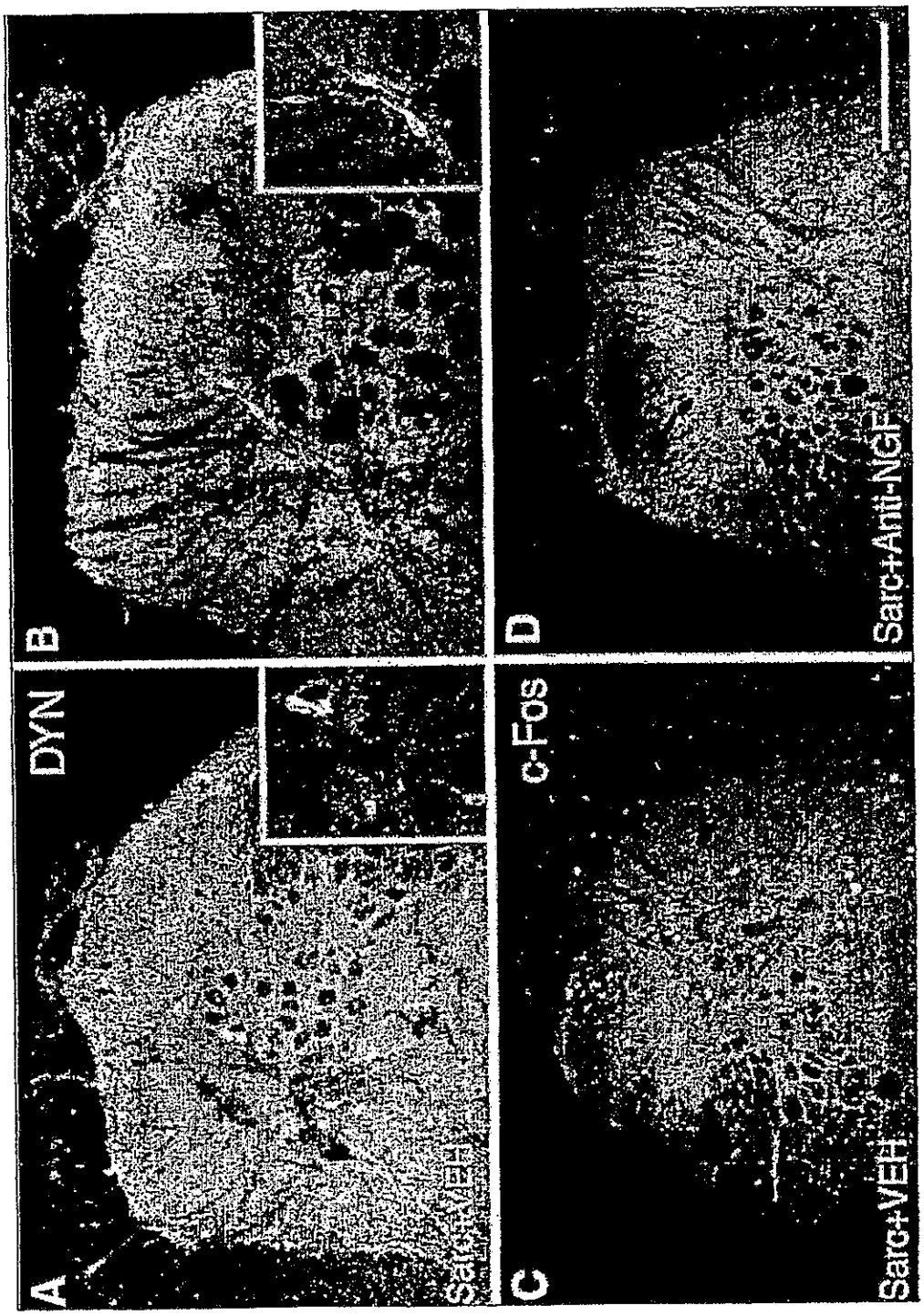


Figure 10 (A-F)

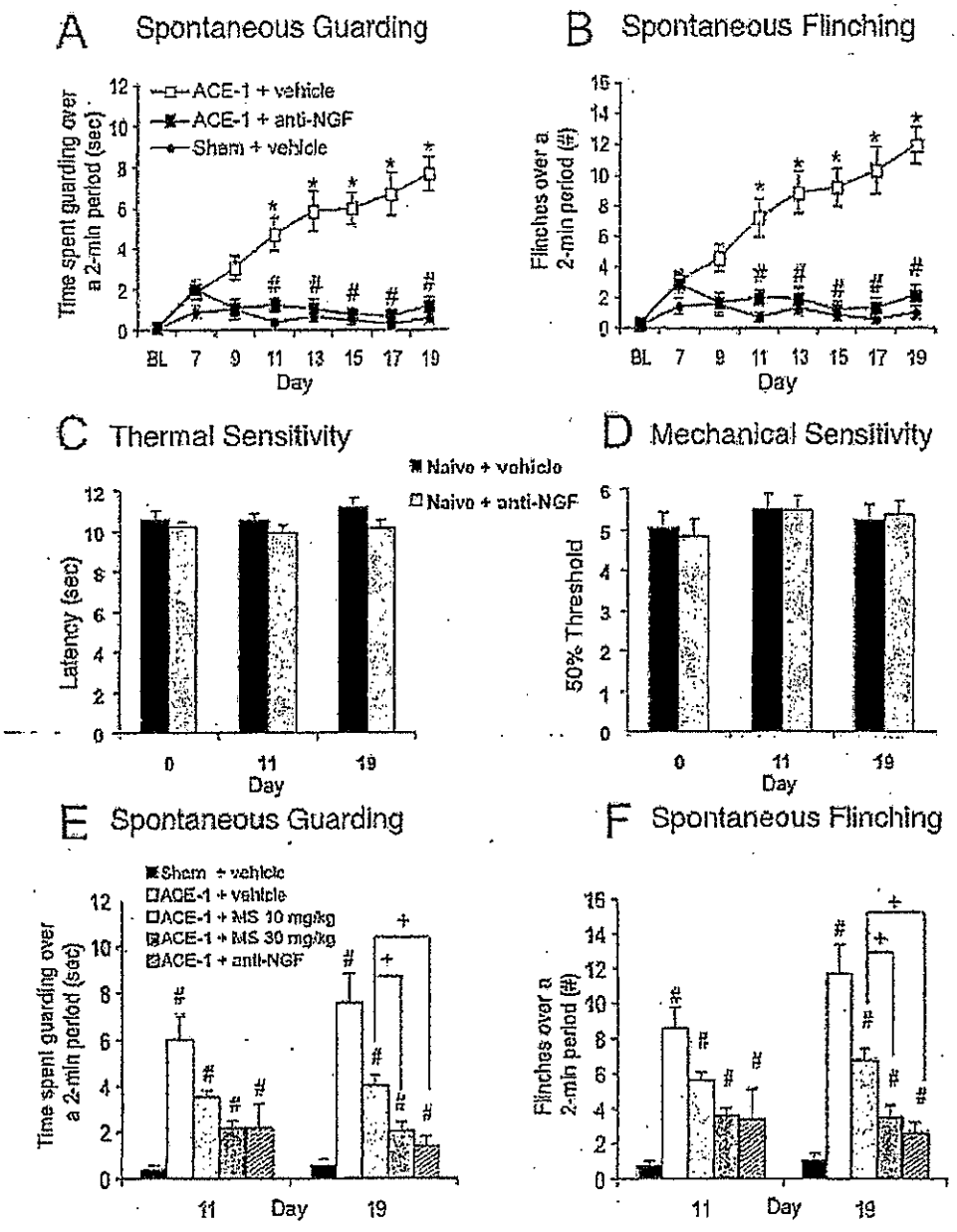

A Spontaneous Guarding
ACE-1 + vehicle
ACE-1 + anti-NGF
Sham + vehicle
Time spent guarding over a 2-min period (sec)
BL 7 9 11 13 15 17 19
Day
B Spontaneous Flinching
Flinches over a 2-min period (#)
BL 7 9 11 13 15 17 19
Day
C Thermal Sensitivity
Naive + vehicle
Naive + anti-NGF
Latency (sec)
0 11 19
Day
D Mechanical Sensitivity
50% Threshold
0 11 19
Day
E Spontaneous Guarding
Sham + vehicle
ACE-1 + vehicle
ACE-1 + MS 10 mg/kg
ACE-1 + MS 30 mg/kg
ACE-1 + anti-NGF
Time spent guarding over a 2-min period (sec)
11 Day 19
F Spontaneous Flinching
Flinches over a 2-min period (#)
11 Day 19

Figure 10 (G, H).

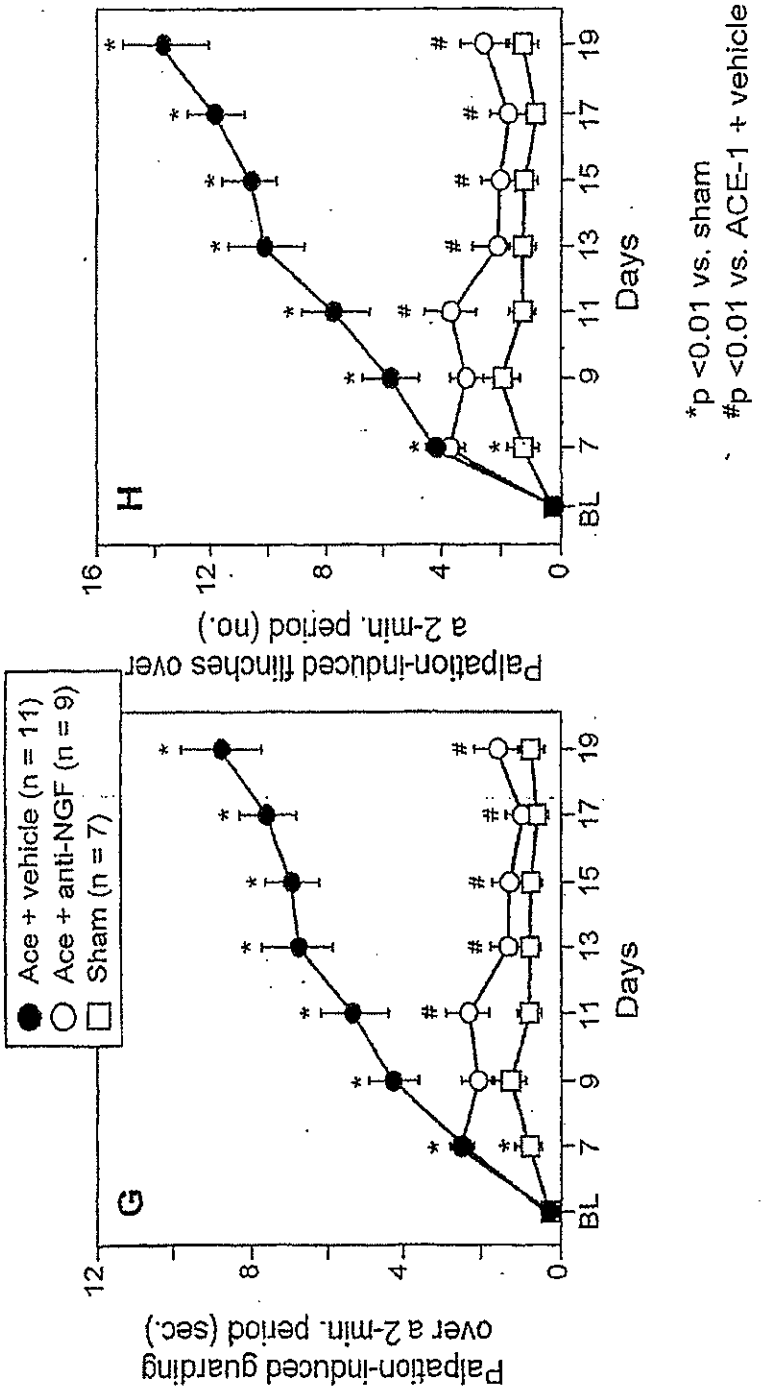

Ace + vehicle (n = 11)
Ace + anti-NGF (n = 9)
Sham (n = 7)
G
H
Palpation-induced guarding over a 2-min. period (sec.)
Palpation-induced flinches over a 2-min. period (no.)
BL
Days
*p <0.01 vs. sham
#p <0.01 vs. ACE-1 + vehicle

Figure 11

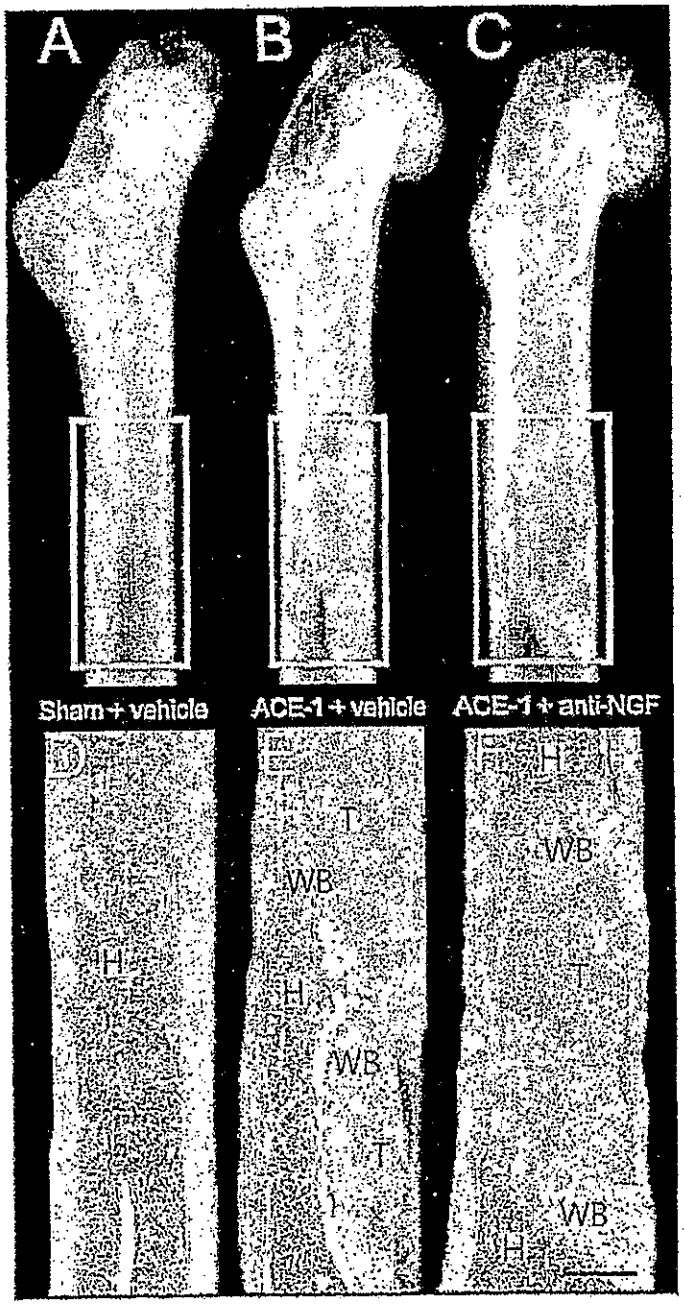

A
B
C
Sham + vehicle
ACE-1 + vehicle
ACE-1 + anti-NGF
H
T
WB
H
WB
T
H
WB
T
WB
H

Figure 12

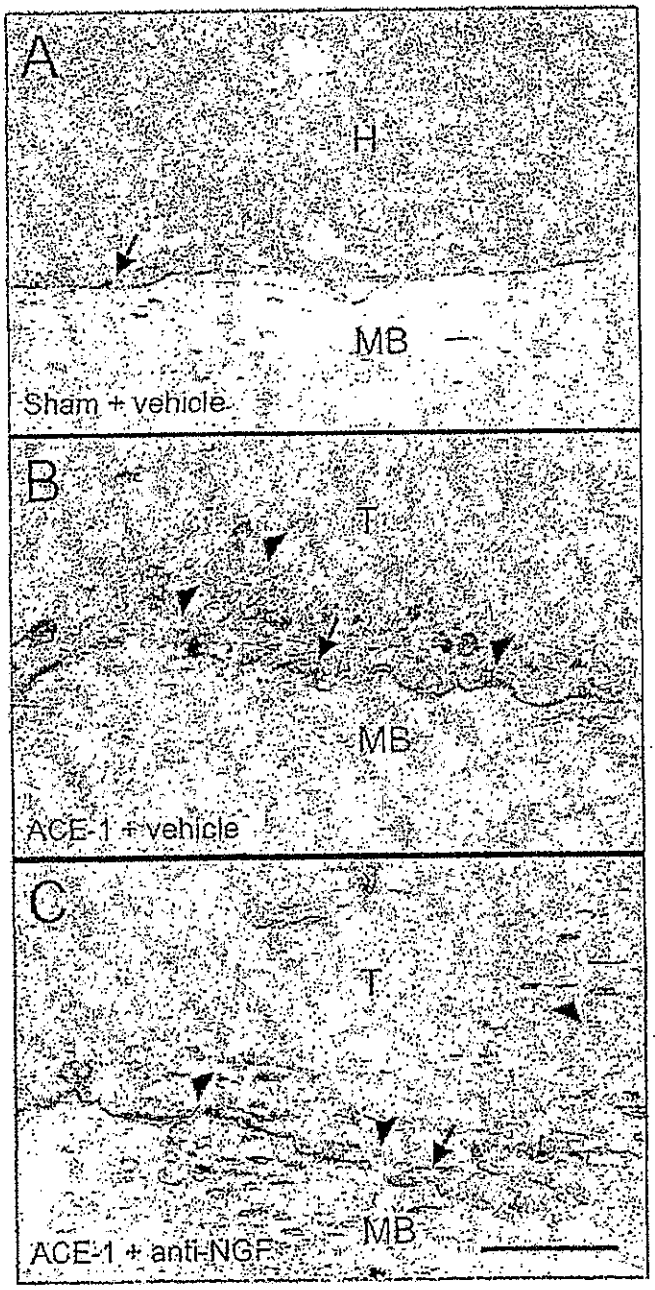


Figure 13

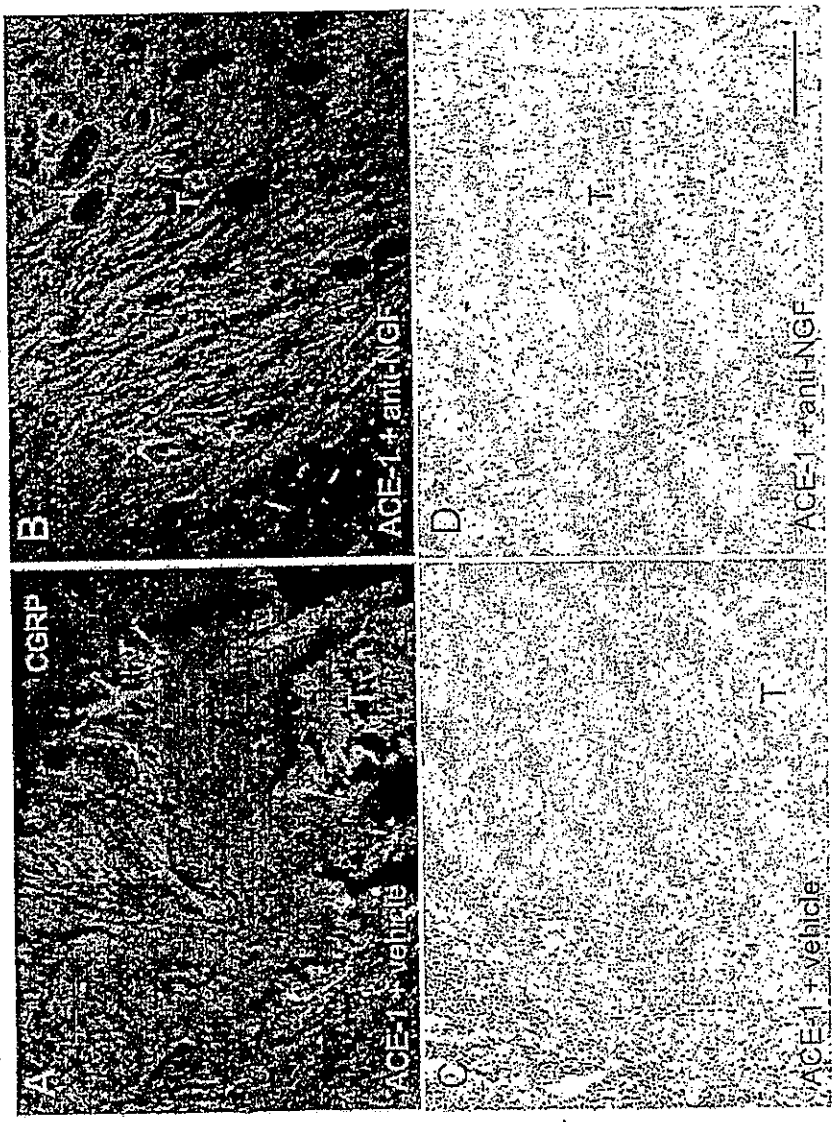
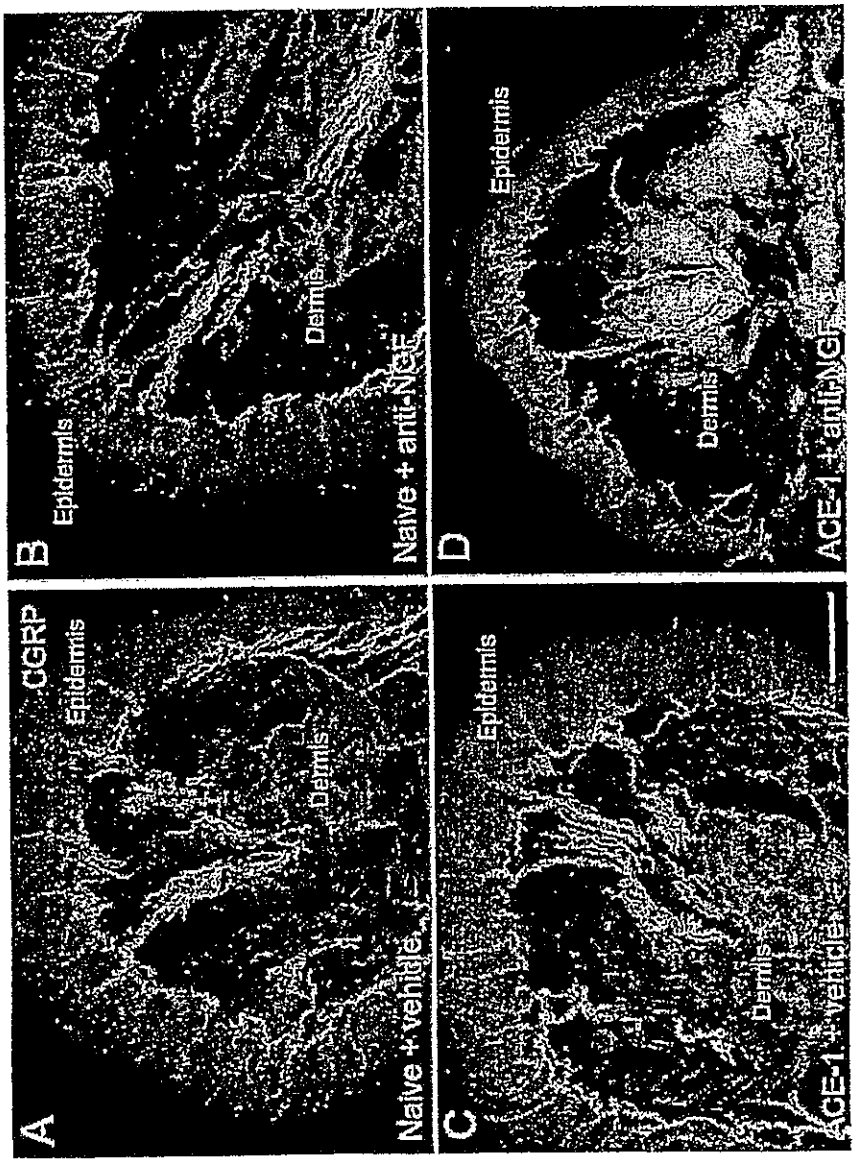

A
CGRP
ACE-1 + vehicle
B
ACE-1 + anti-NGF
C
ACE-1 + vehicle
D
ACE-1 + anti-NGF

Figure 14


A
CGRP
Epidermis
Dermis
Naive + vehicle
B
Epidermis
Dermis
Naive + anti-NGF
C
Epidermis
Dermis
ACE-1 + vehicle
D
Epidermis
Dermis
ACE-1 + anti-NGF