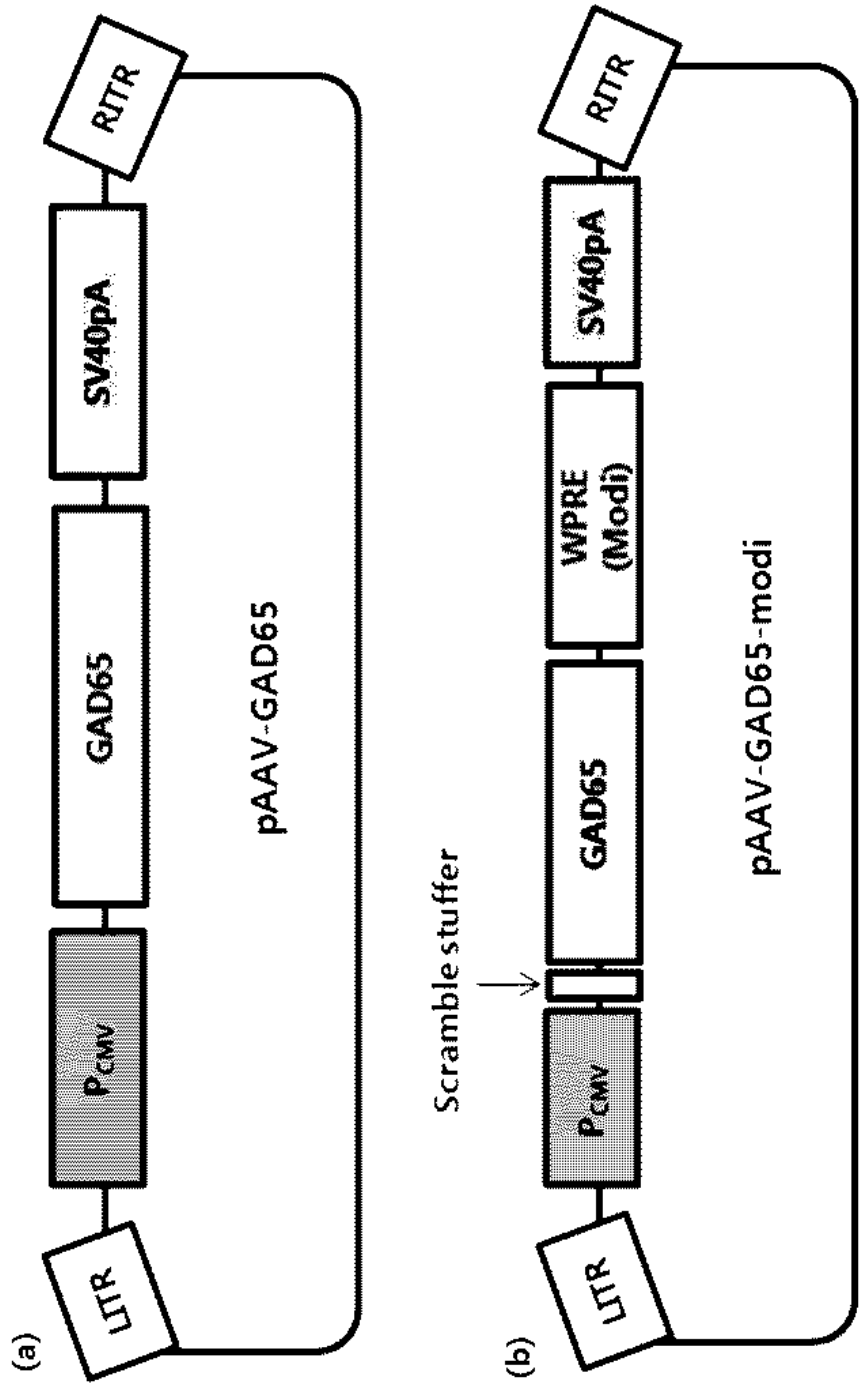
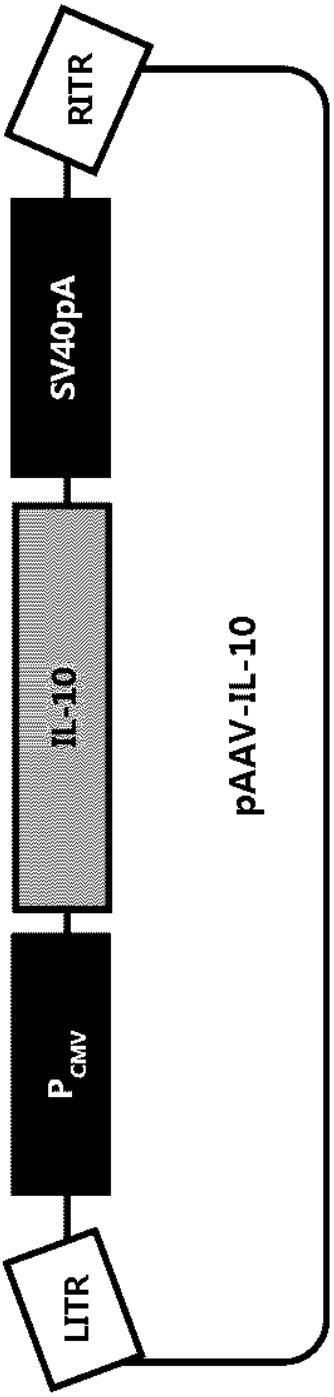
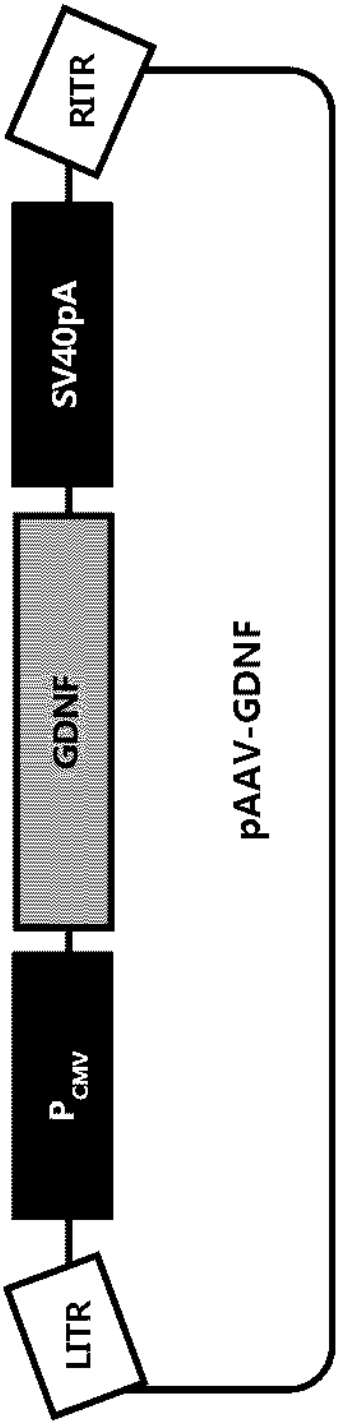
[Fig.1]


(a)
LITR
P_{CMV}
GAD65
SV40pA
RITR
pAAV-GAD65
(b)
LITR
P_{CMV}
Scramble stuffer
GAD65
WPRE (Modi)
SV40pA
RITR
pAAV-GAD65-modi

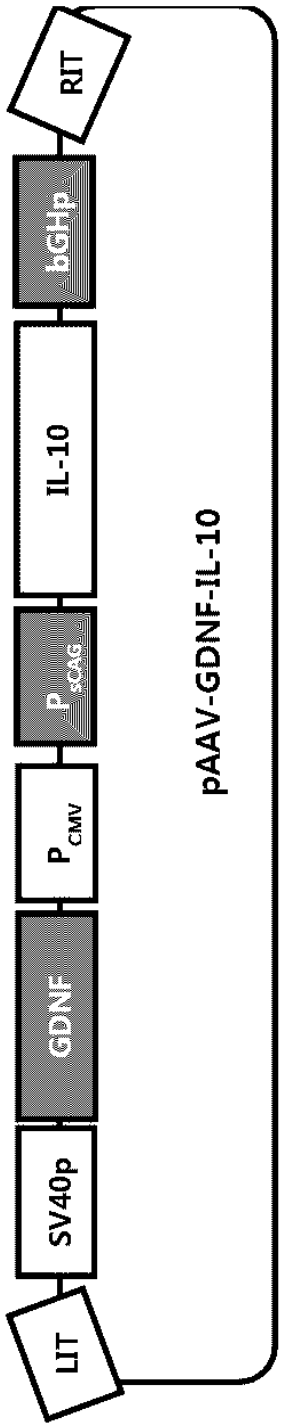
[Fig. 2]



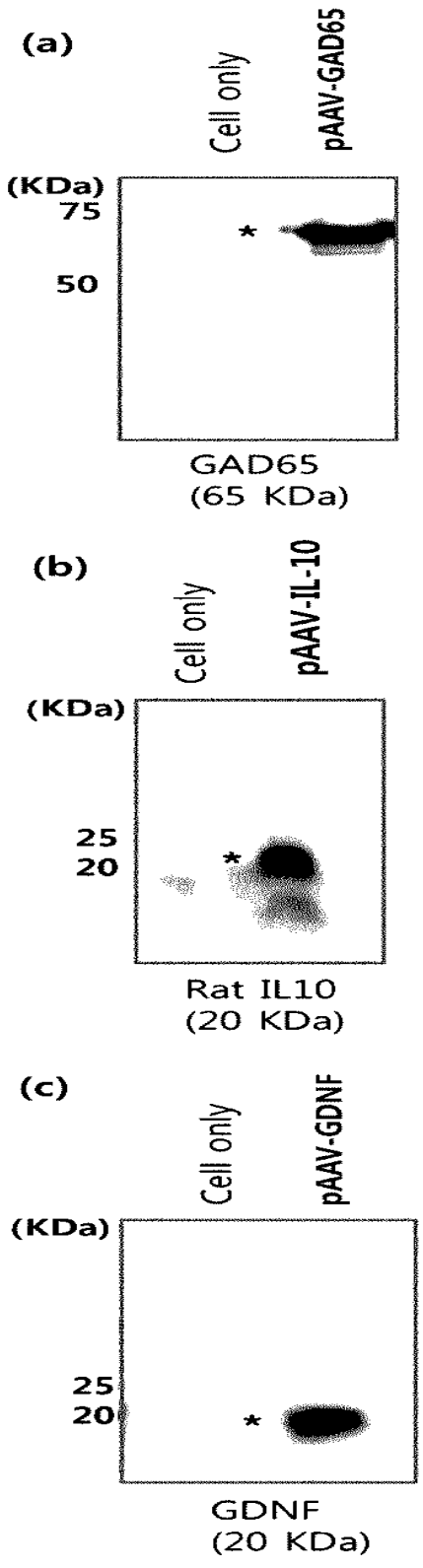
[Fig. 3]



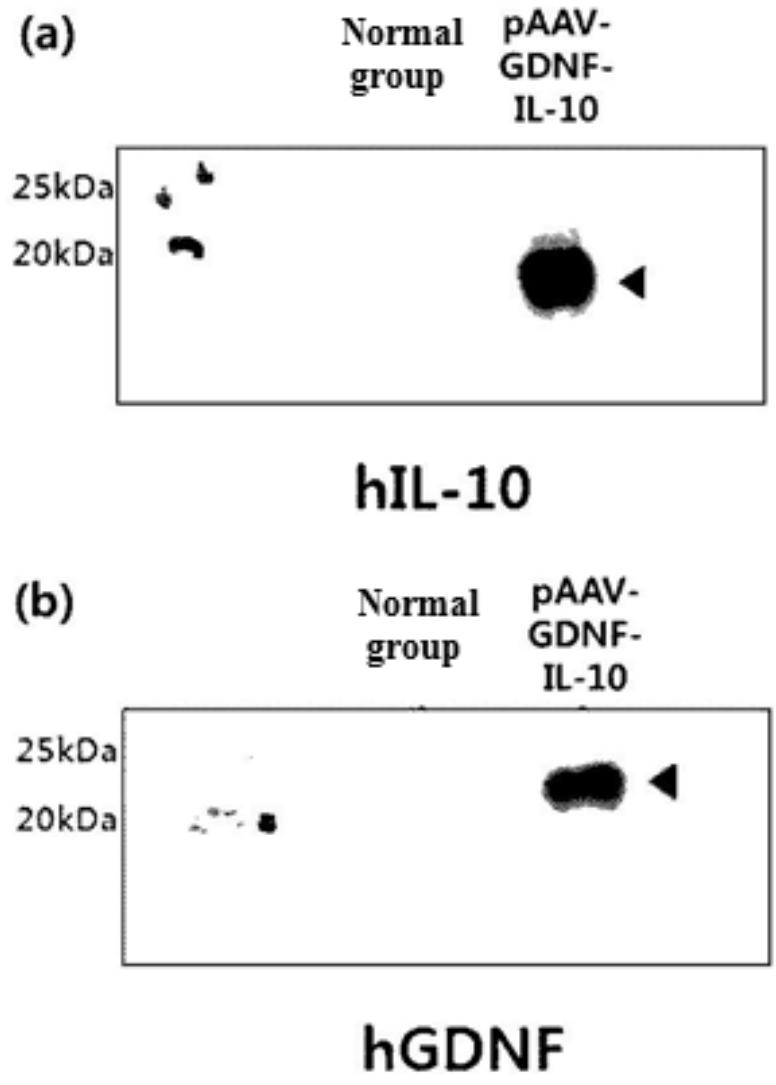
[Fig. 4]



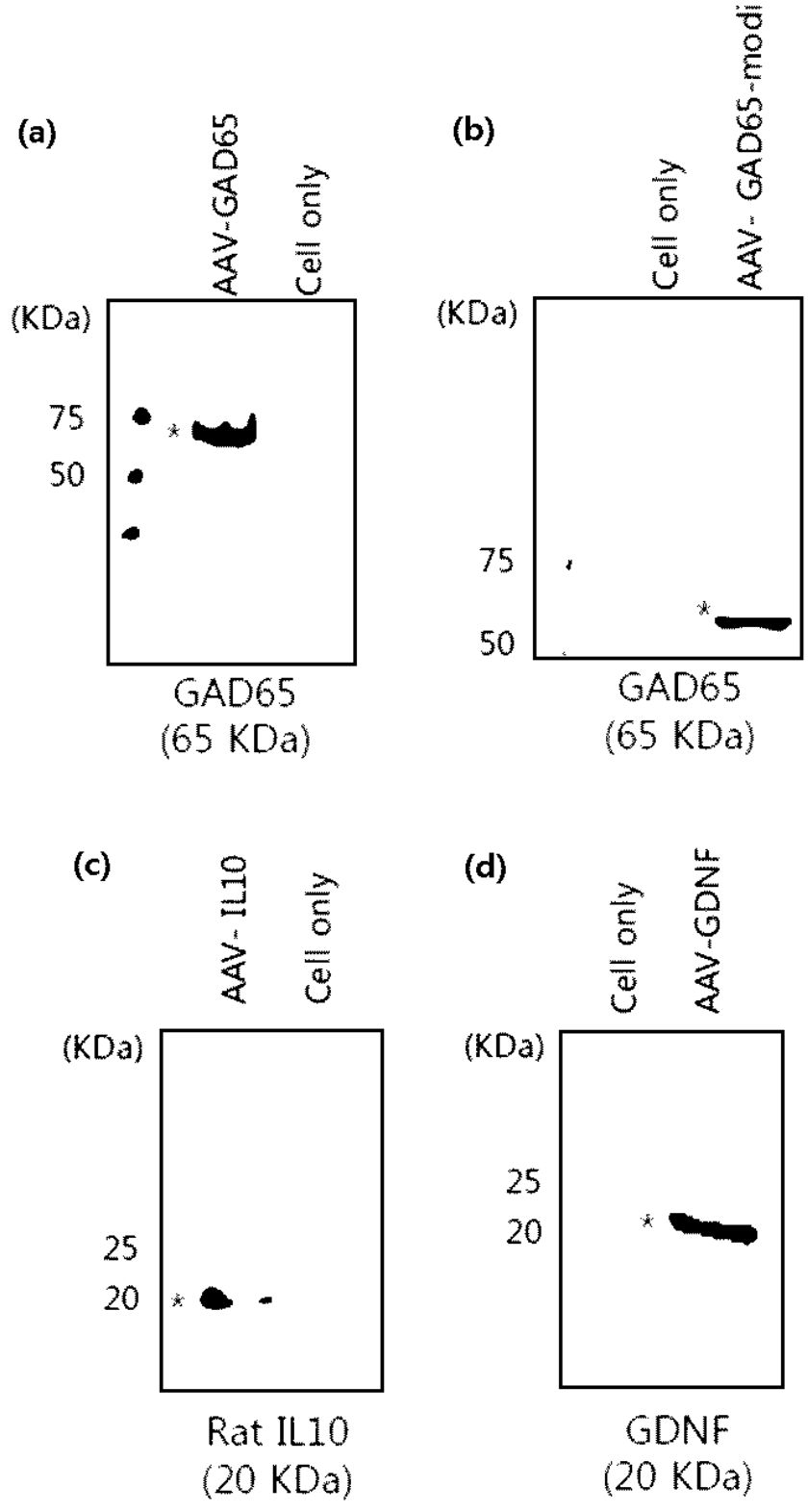
[Fig. 5]


(a)
Cell only
pAAV-GAD65
(KDa)
75
50
*
GAD65
(65 KDa)
(b)
Cell only
pAAV-IL-10
(KDa)
25
20
*
Rat IL10
(20 KDa)
(c)
Cell only
pAAV-GDNF
(KDa)
25
20
*
GDNF
(20 KDa)

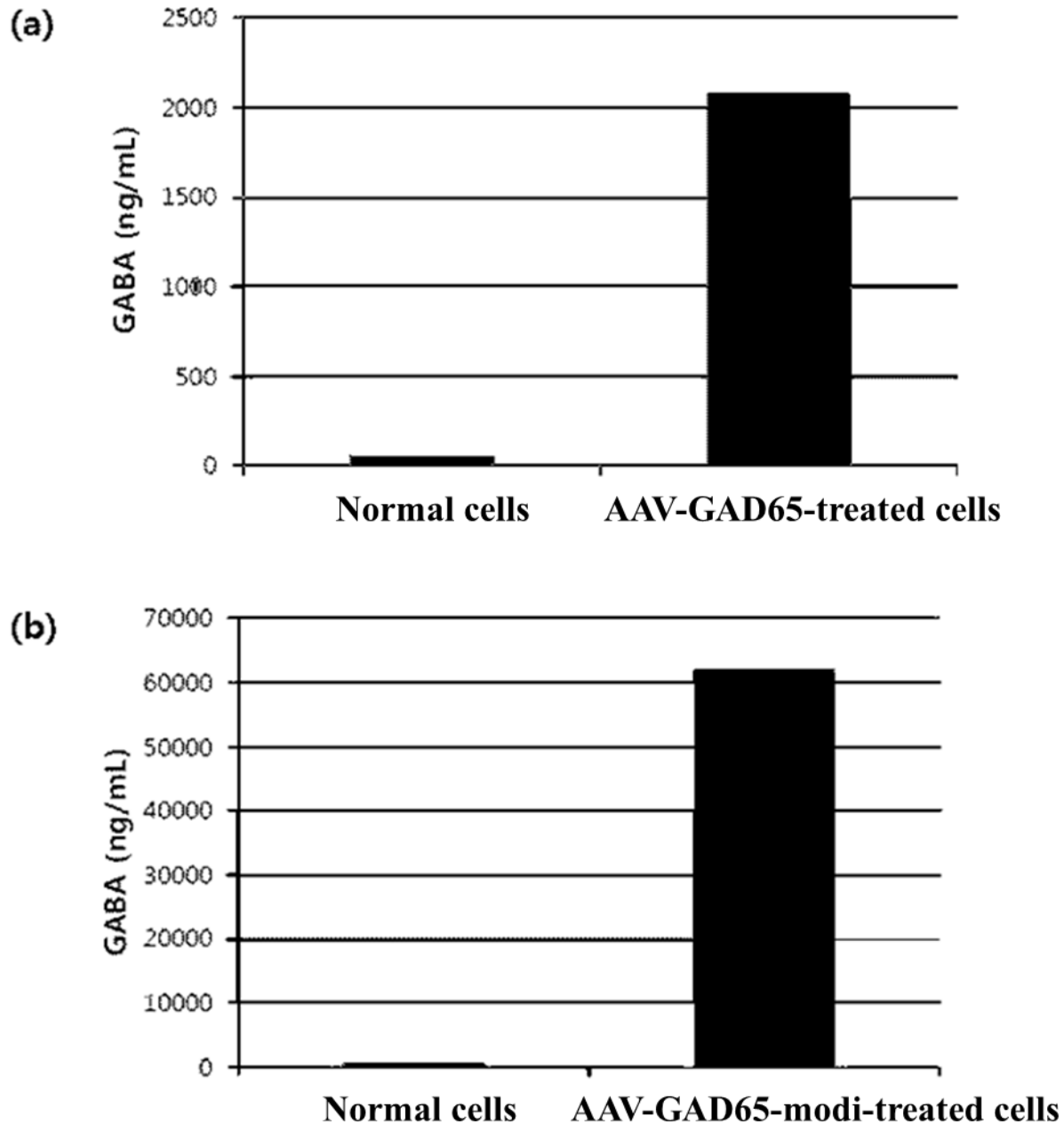
[Fig. 6]


(a)
Normal group
pAAV-GDNF-IL-10
25kDa
20kDa
hIL-10
(b)
Normal group
pAAV-GDNF-IL-10
25kDa
20kDa
hGDNF

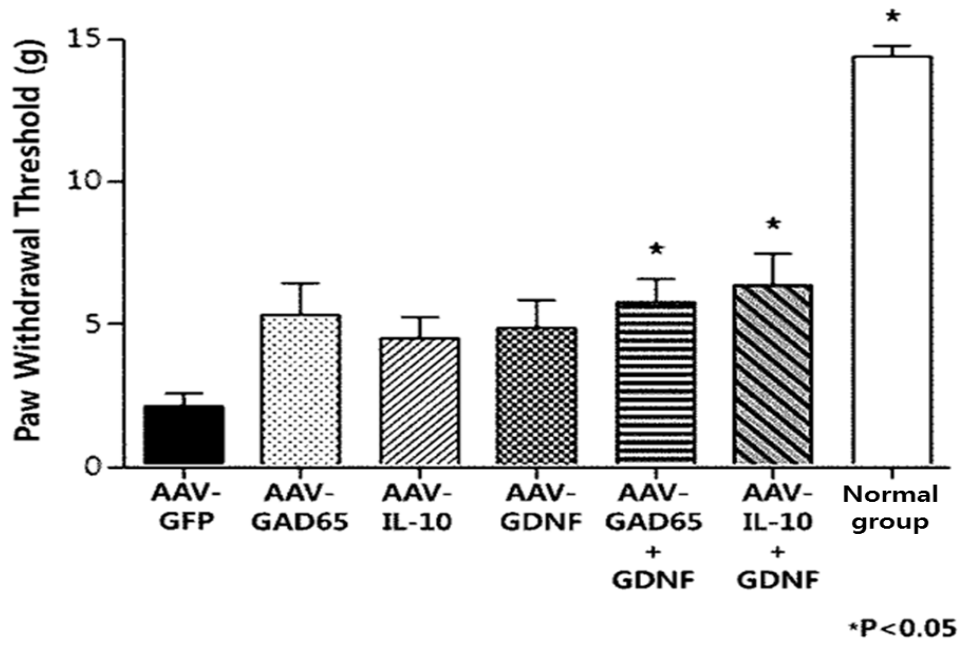
[Fig. 7]


(a)
AAV-GAD65
Cell only
(KDa)
75
50
GAD65
(65 KDa)
(b)
Cell only
AAV- GAD65-modi
(KDa)
75
50
GAD65
(65 KDa)
(c)
AAV- IL10
Cell only
(KDa)
25
20
Rat IL10
(20 KDa)
(d)
Cell only
AAV-GDNF
(KDa)
25
20
GDNF
(20 KDa)

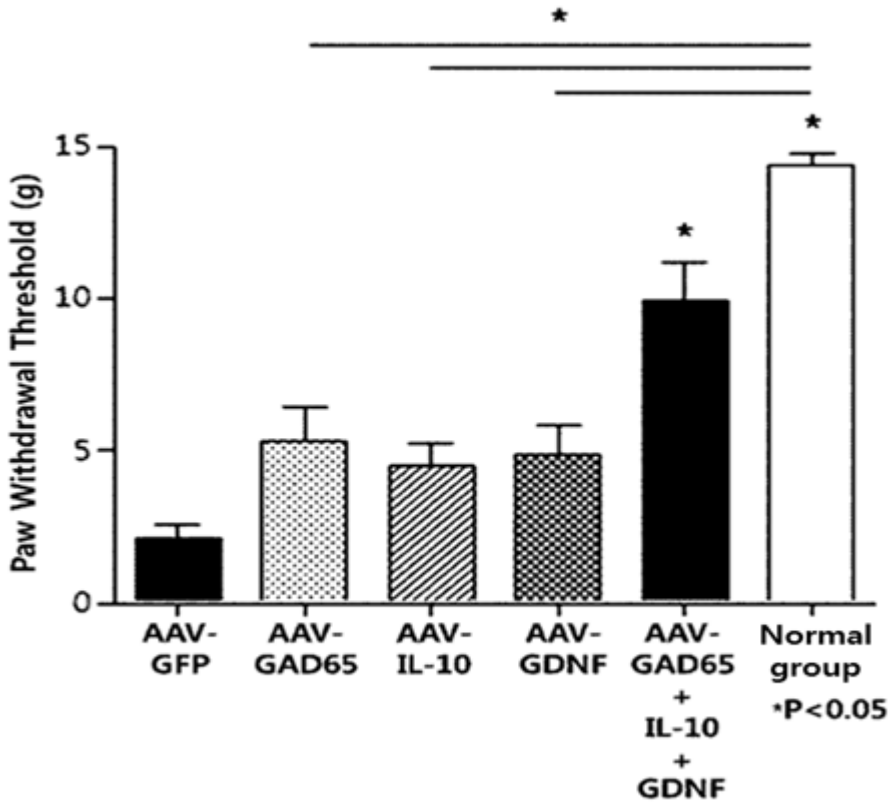
[Fig. 8]


(a)
2500
2000
1500
1000
500
0
GABA (ng/mL)
Normal cells
AAV-GAD65-treated cells
(b)
70000
60000
50000
40000
30000
20000
10000
0
GABA (ng/mL)
Normal cells
AAV-GAD65-modi-treated cells

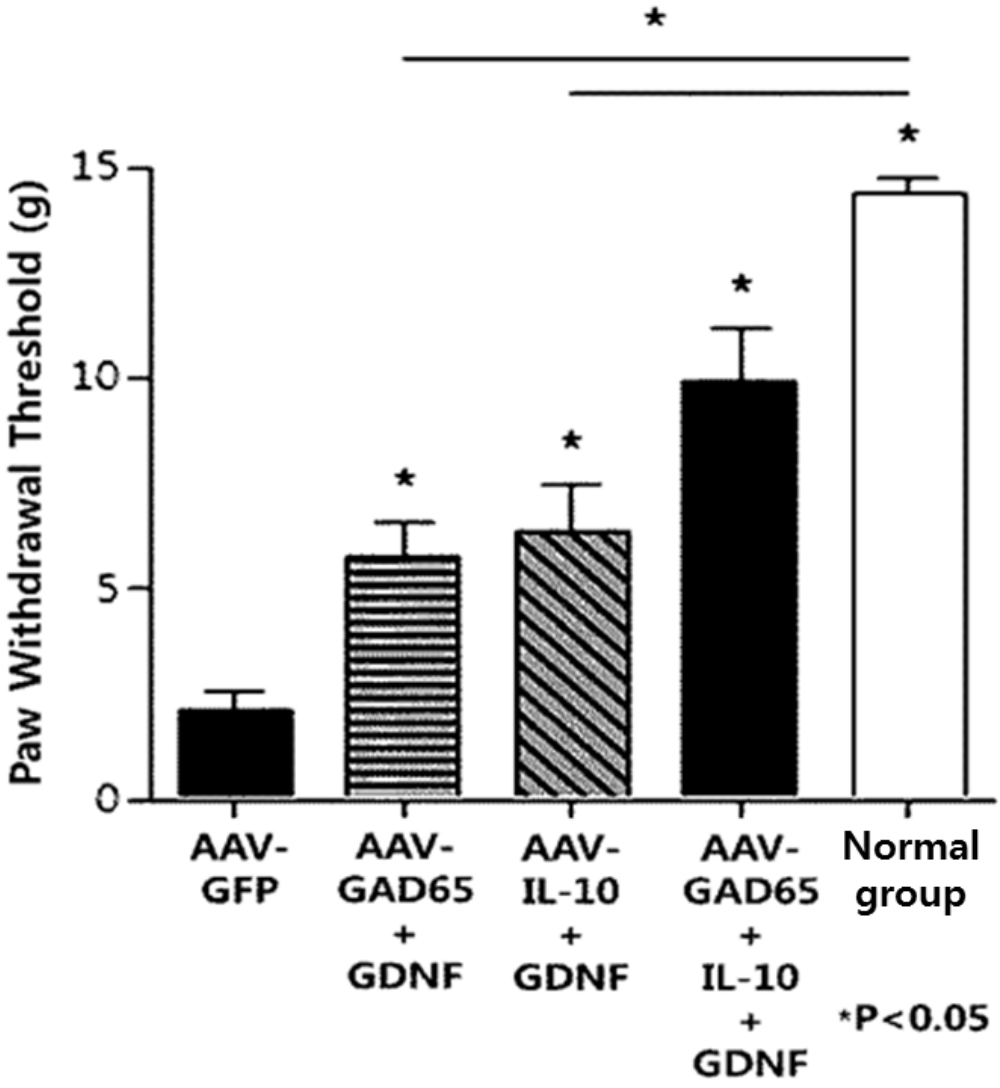
[Fig. 9]


Paw Withdrawal Threshold (g)
15
10
5
0
*
*
*
*
AAV-GFP
AAV-GAD65
AAV-IL-10
AAV-GDNF
AAV-GAD65 + GDNF
AAV-IL-10 + GDNF
Normal group
*P<0.05

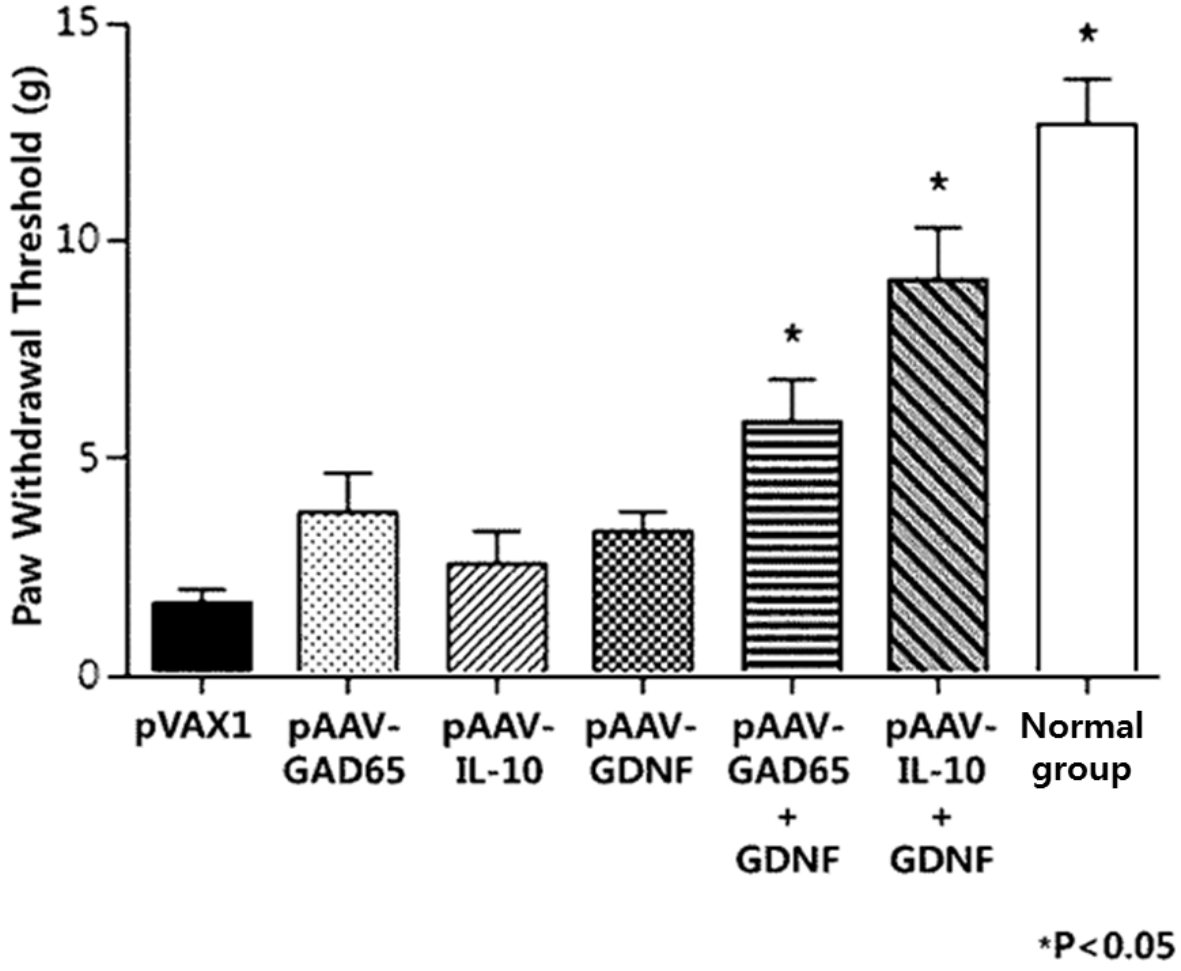
[Fig. 10]


*
*
*
Paw Withdrawal Threshold (g)
15
10
5
0
AAV-GFP
AAV-GAD65
AAV-IL-10
AAV-GDNF
AAV-GAD65 + IL-10 + GDNF
Normal group
*P<0.05

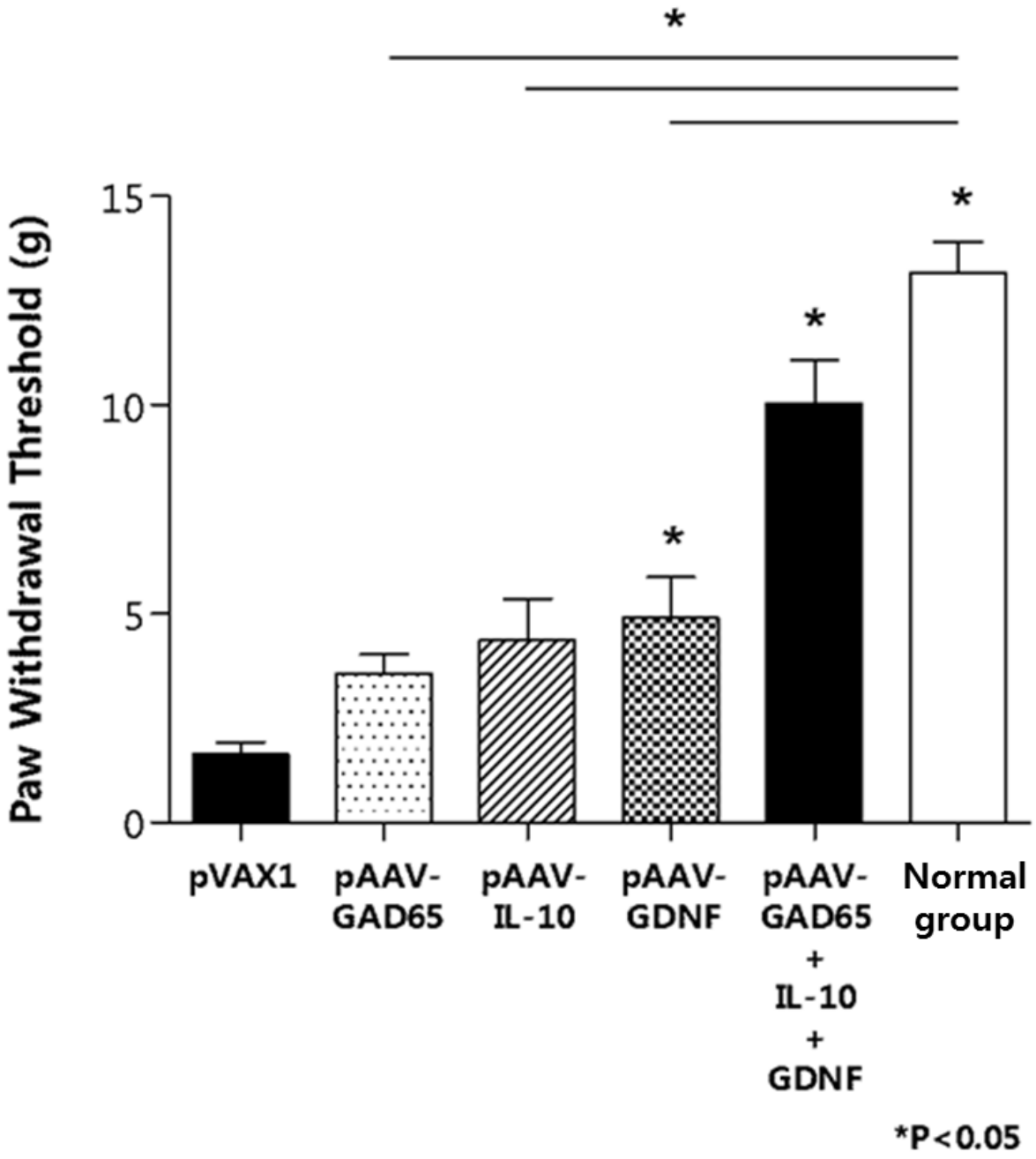
[Fig. 11]


Paw Withdrawal Threshold (g)
15
10
5
0
*
*
*
*
*
AAV-GFP
AAV-GAD65 + GDNF
AAV-IL-10 + GDNF
AAV-GAD65 + IL-10 + GDNF
Normal group
*P<0.05

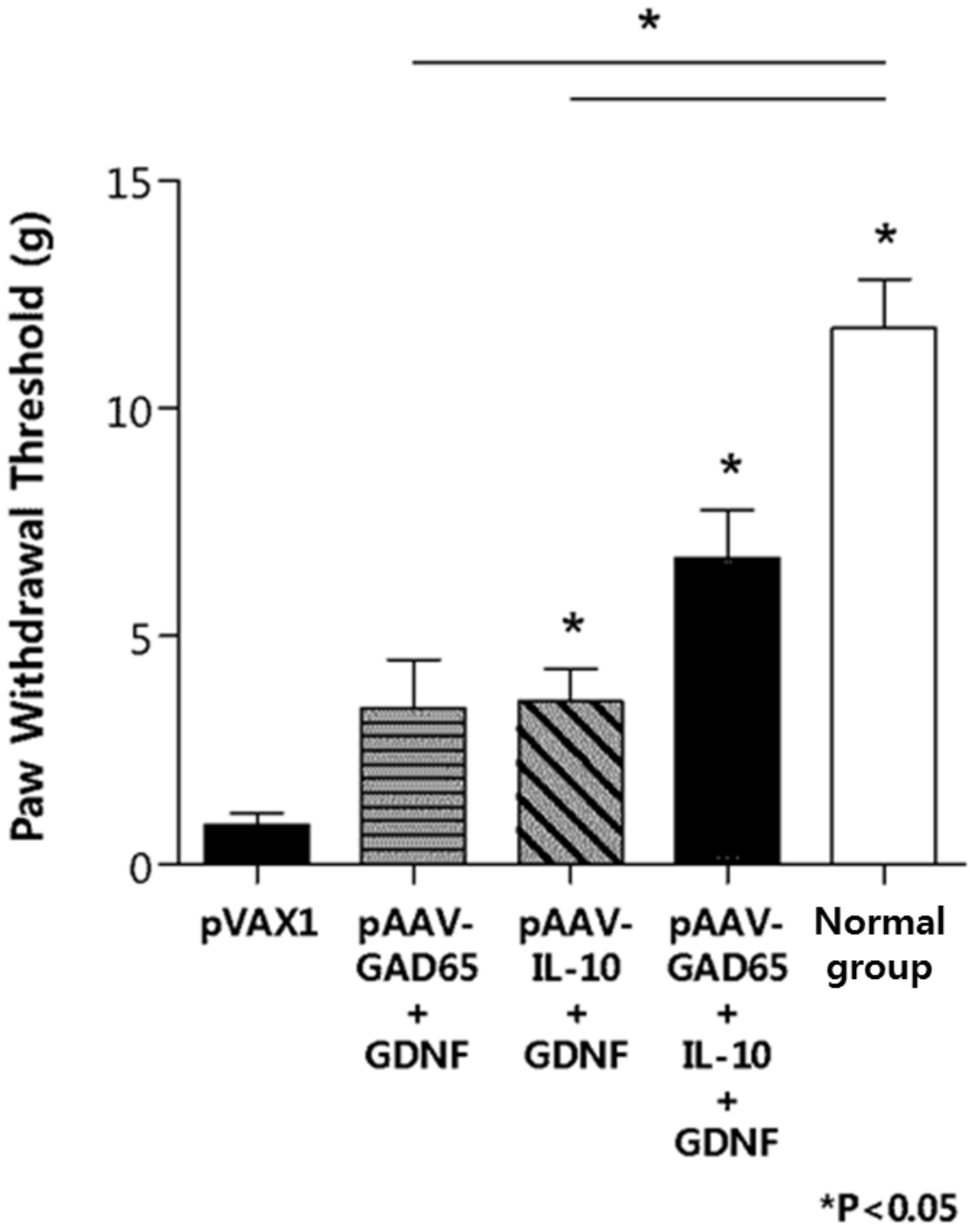
[Fig. 12]


Paw Withdrawal Threshold (g)
15
10
5
0
*
*
*
*
pVAX1
pAAV-GAD65
pAAV-IL-10
pAAV-GDNF
pAAV-GAD65 + GDNF
pAAV-IL-10 + GDNF
Normal group
*P<0.05

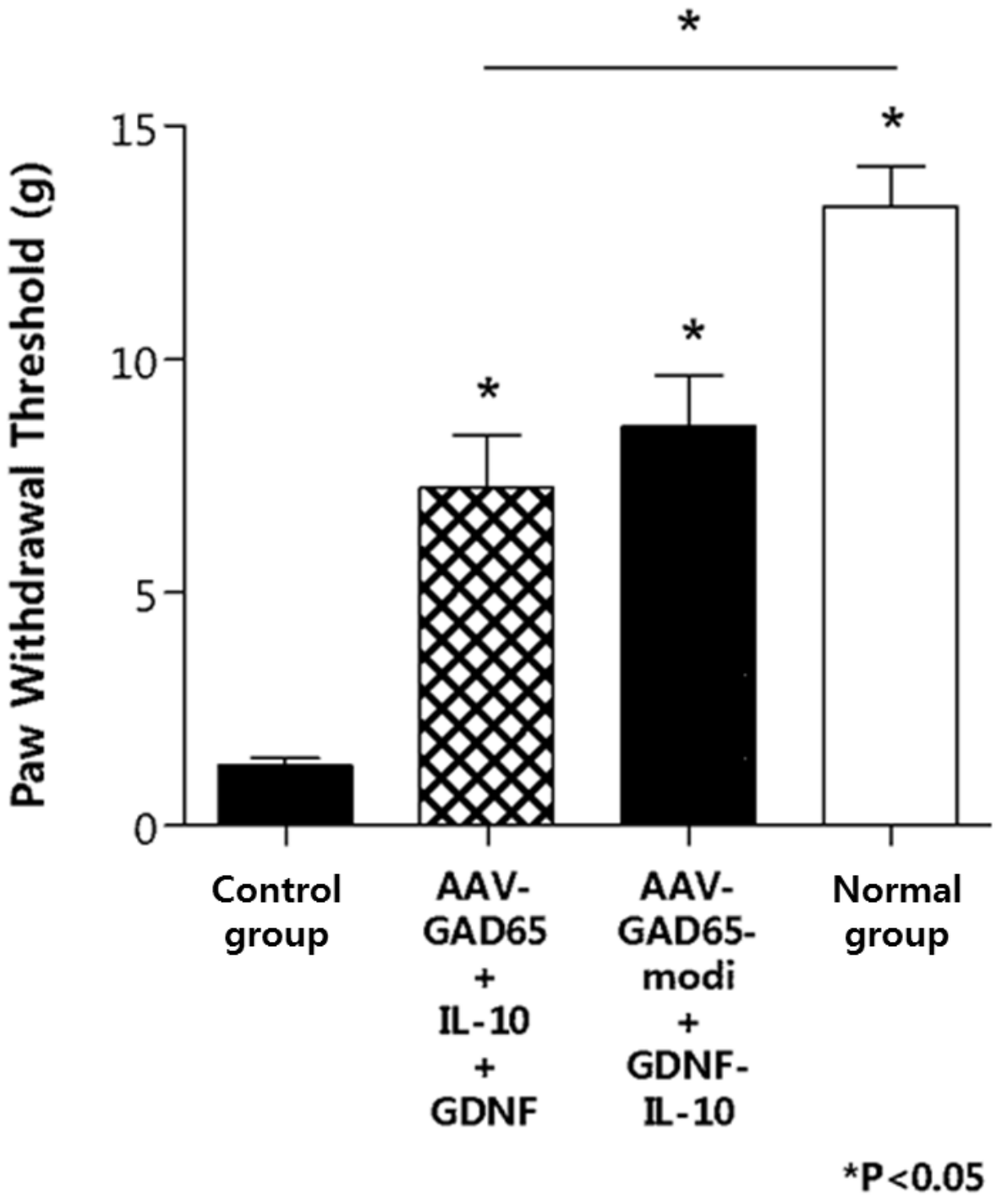
[Fig. 13]


*
*
*
*
*
Paw Withdrawal Threshold (g)
15
10
5
0
pVAX1
pAAV-GAD65
pAAV-IL-10
pAAV-GDNF
pAAV-GAD65 + IL-10 + GDNF
Normal group
*P<0.05

[Fig. 14]


*
*
15
10
5
0
Paw Withdrawal Threshold (g)
*
*
*
pVAX1
pAAV-GAD65 + GDNF
pAAV-IL-10 + GDNF
pAAV-GAD65 + IL-10 + GDNF
Normal group
*P<0.05

[Fig. 15]


*
*
*
*
15
10
5
0
Paw Withdrawal Threshold (g)
Control group
AAV-GAD65 + IL-10 + GDNF
AAV-GAD65-modi + GDNF-IL-10
Normal group
*P<0.05