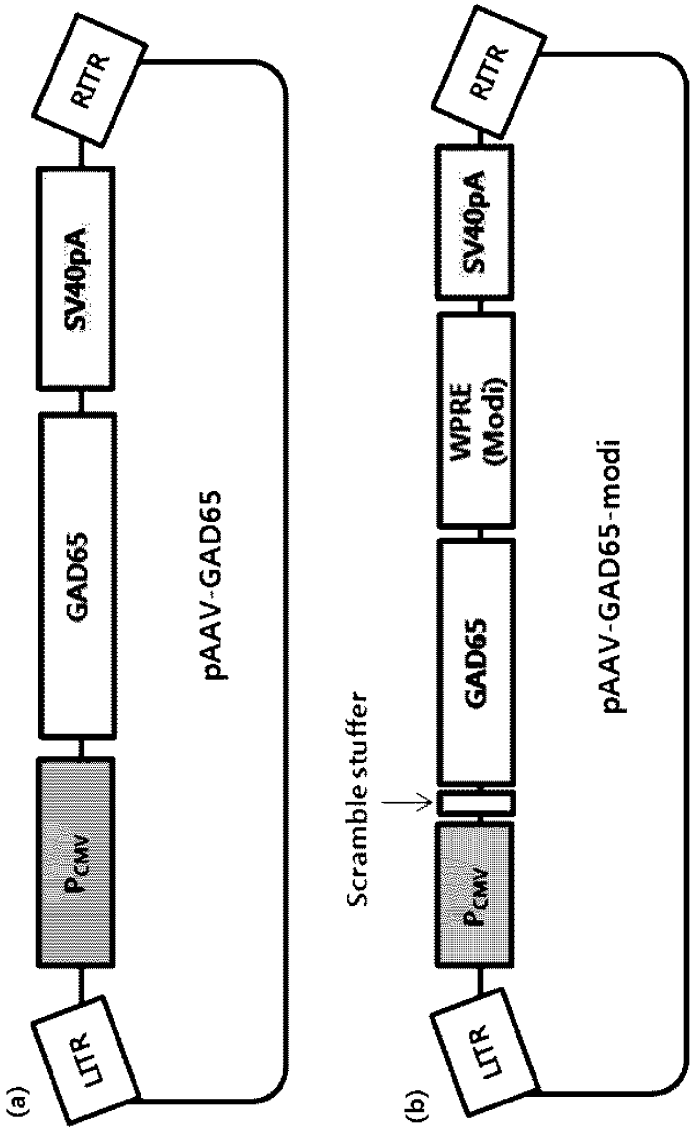
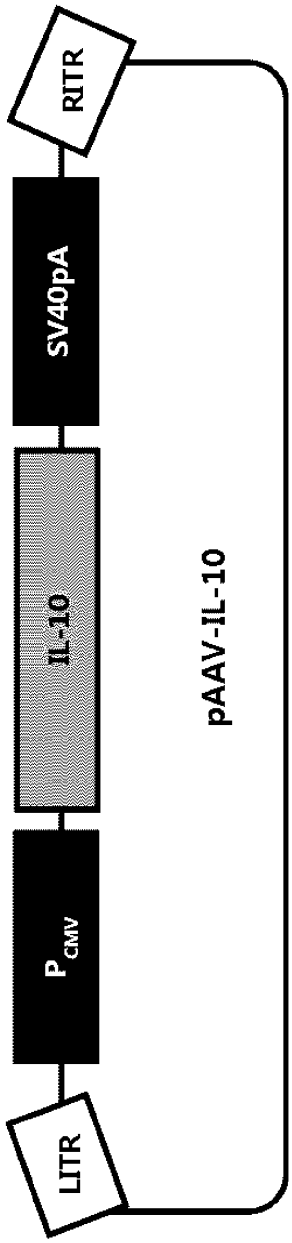
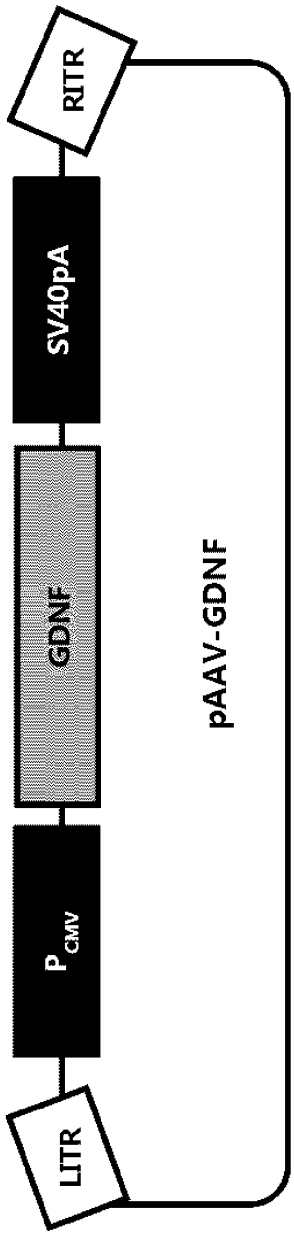
[도1]


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

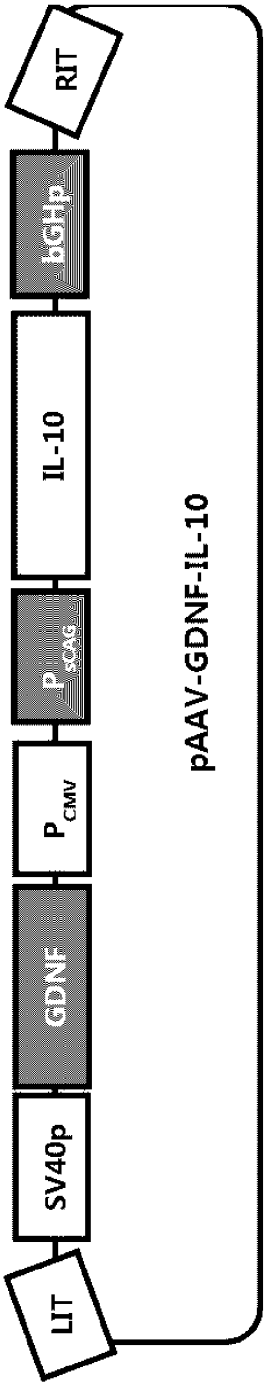
[도2]



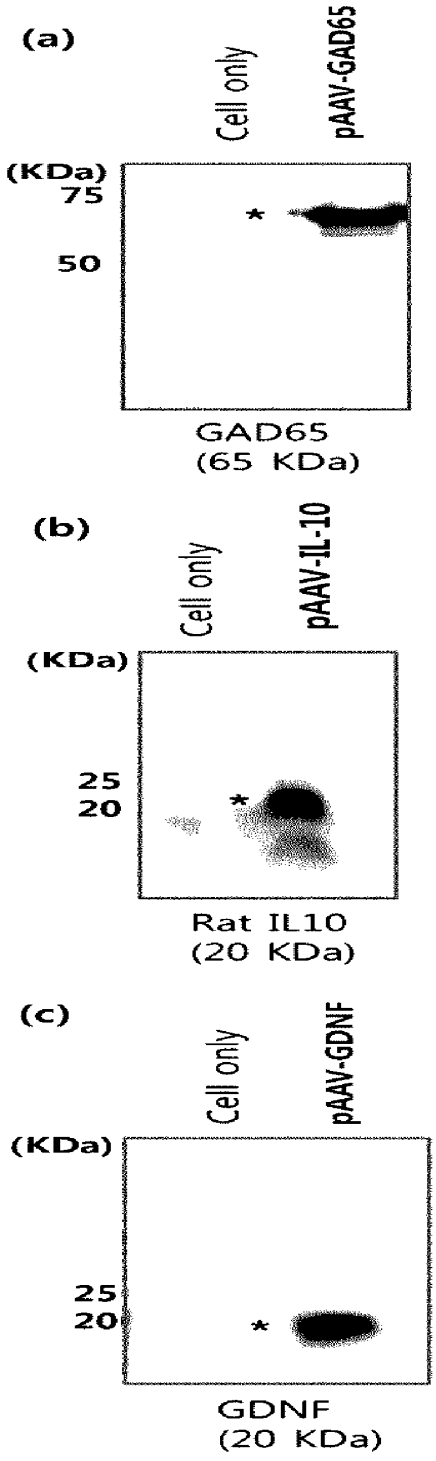
[도3]



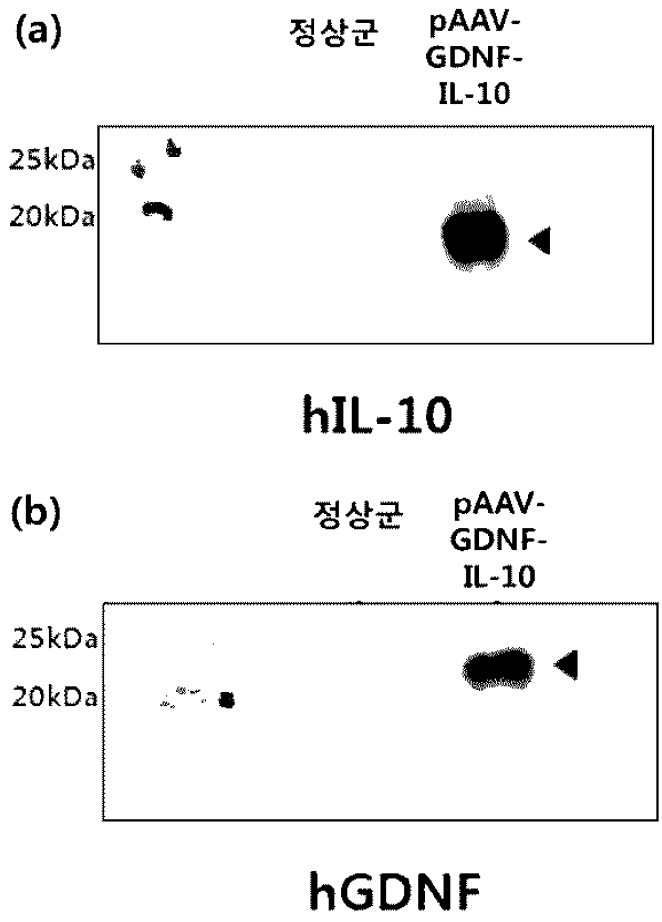
[도4]



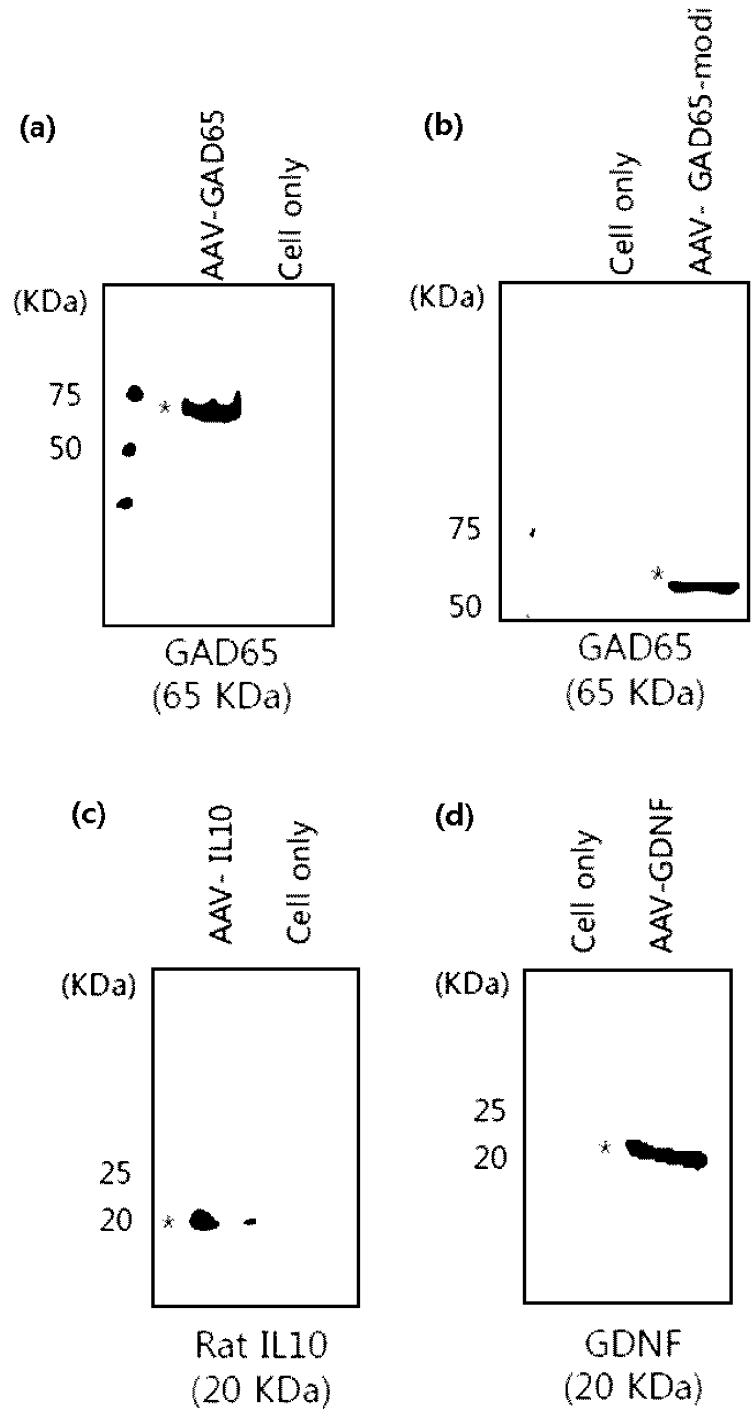
[도5]


(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)

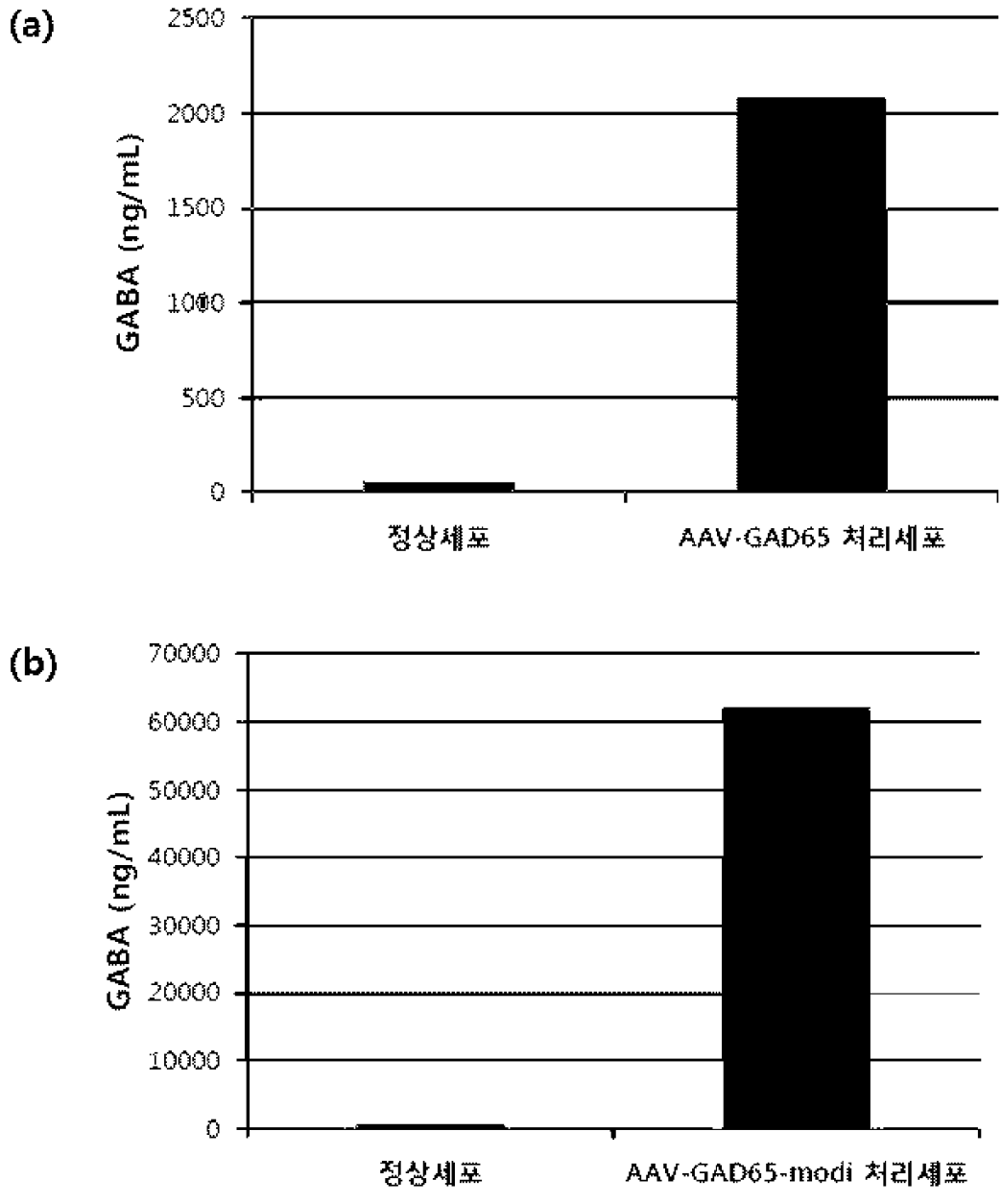
[도6]


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

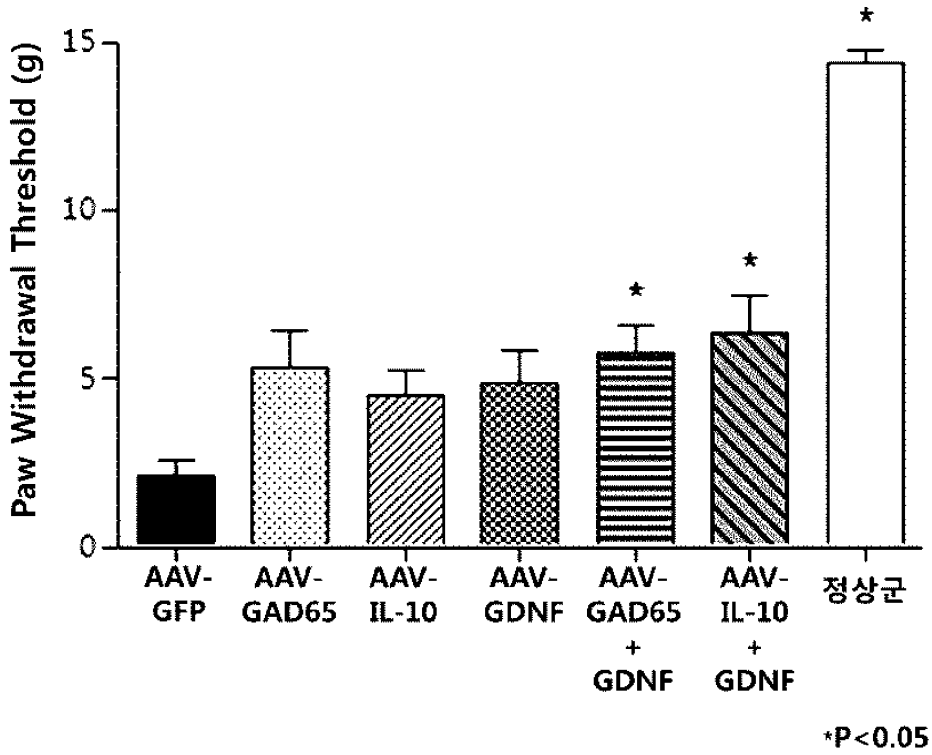
[도7]


(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)

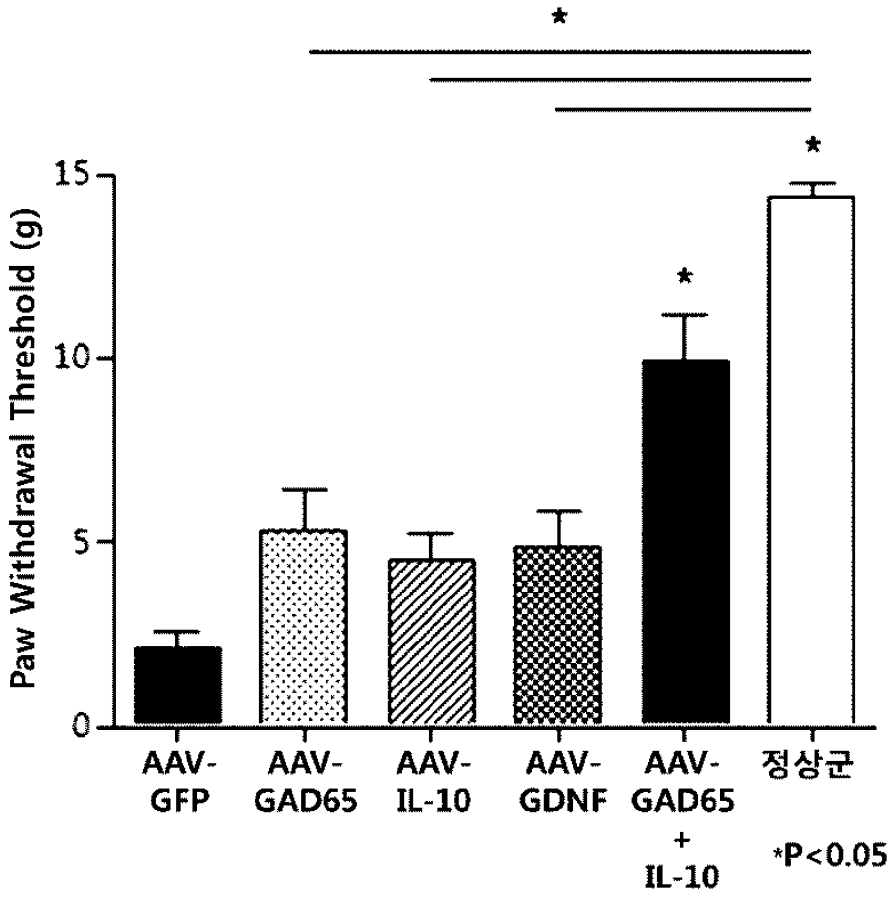
[도8]


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

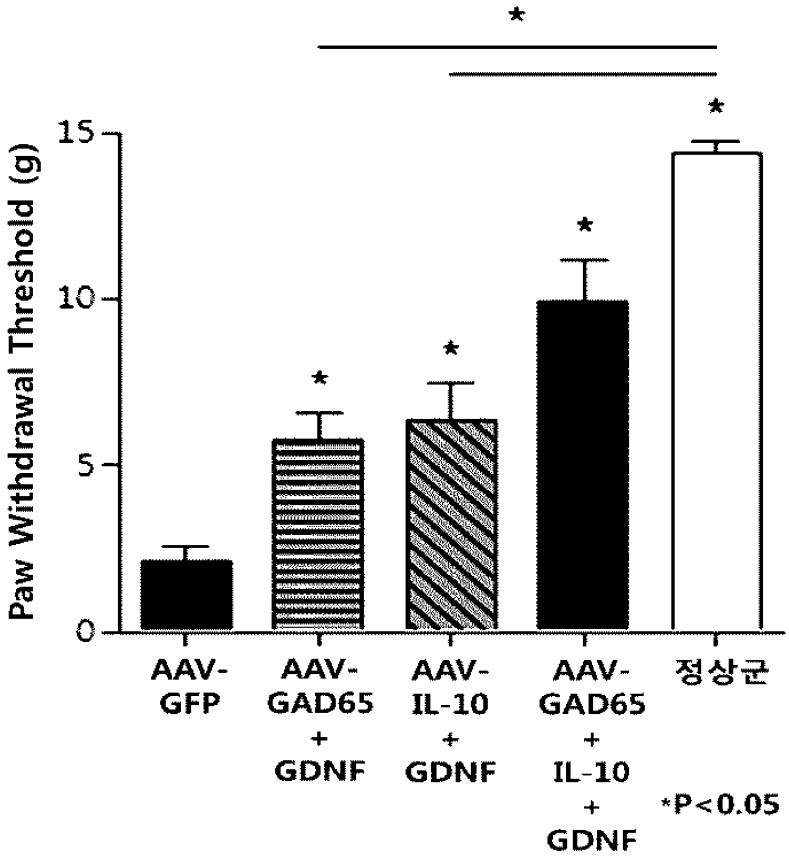
[도9]


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

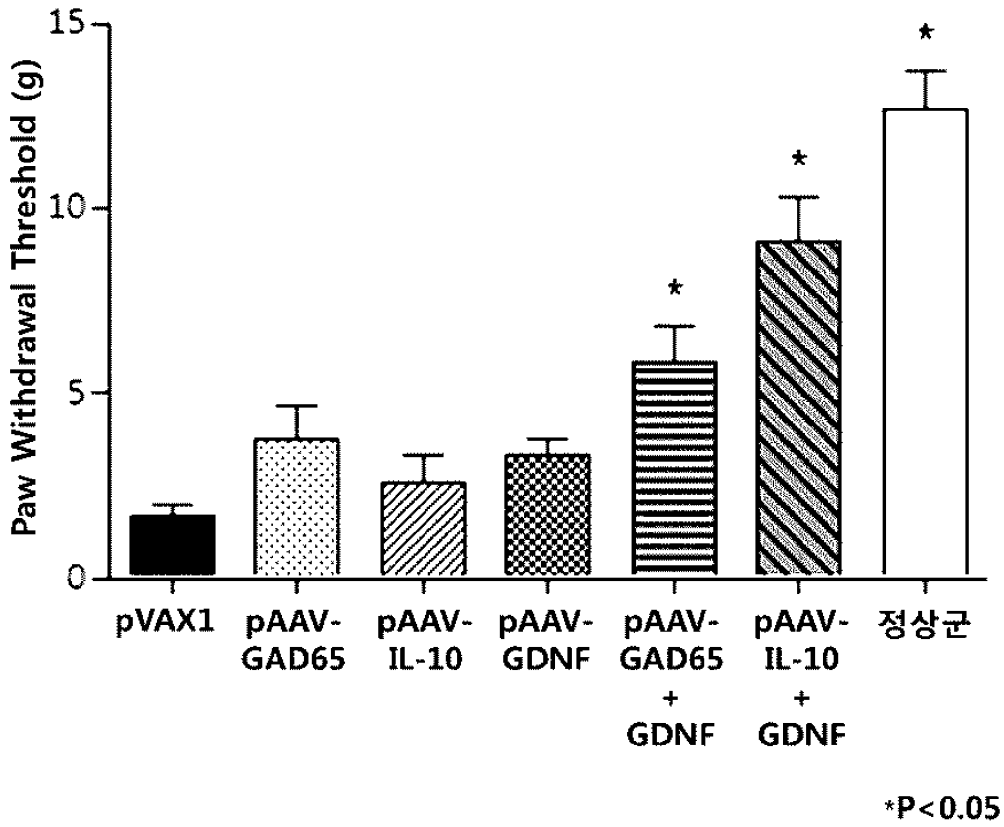
[도10]


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

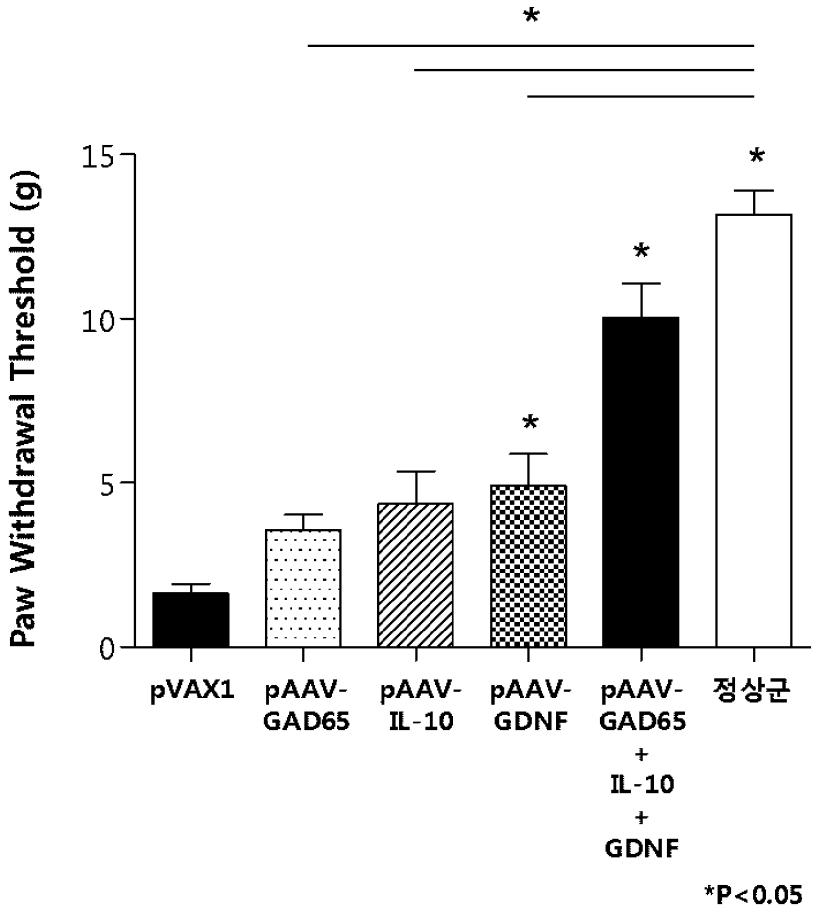
[도11]


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

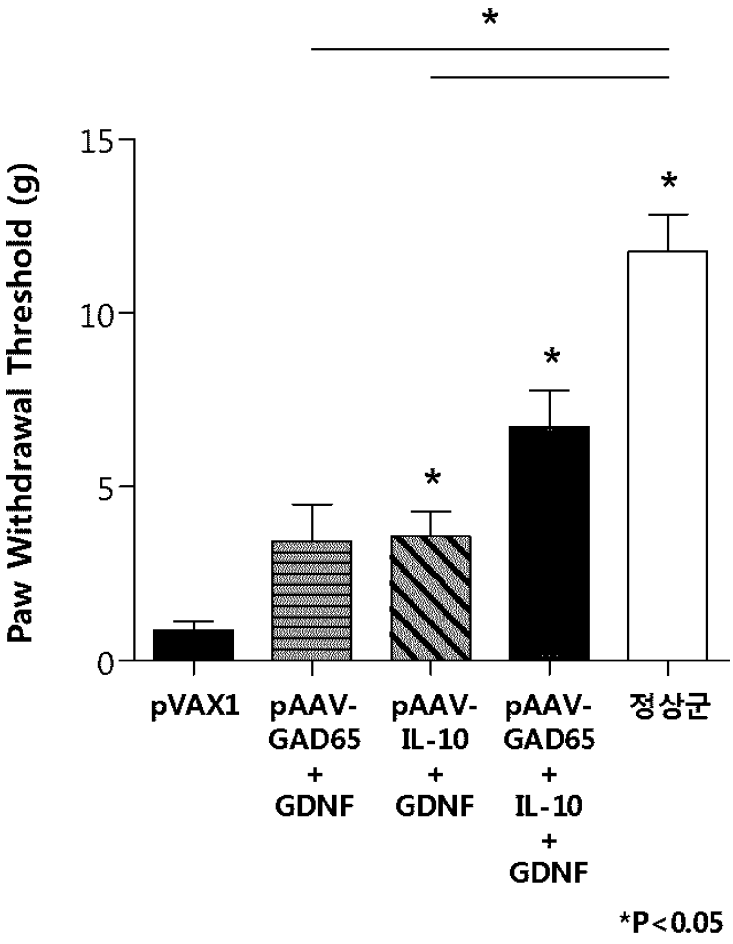
[도12]


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

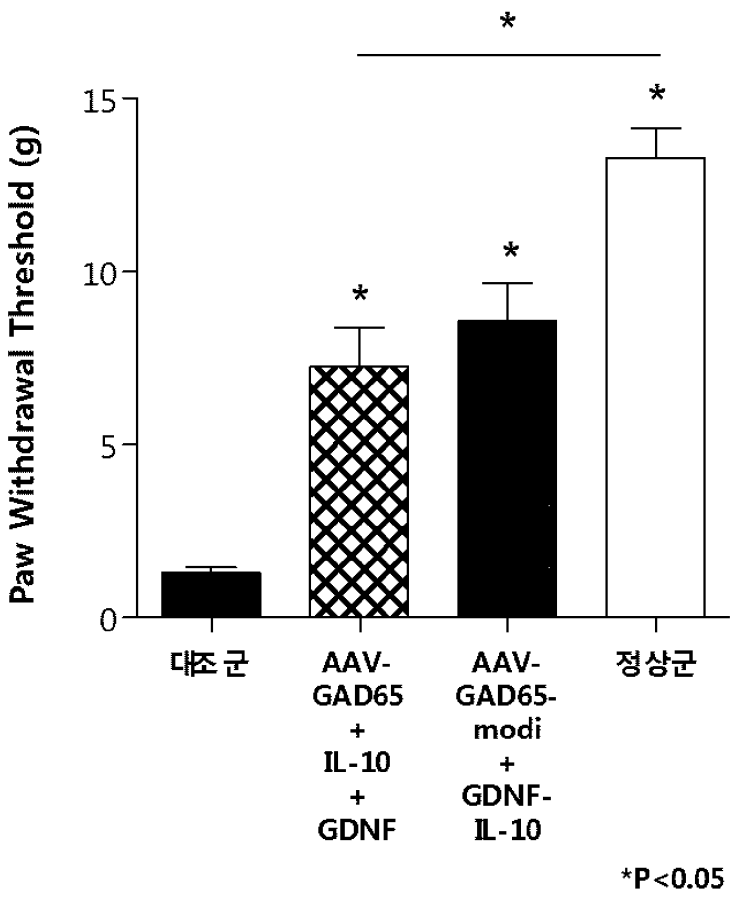
[도13]


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

[도14]


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

[도15]


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