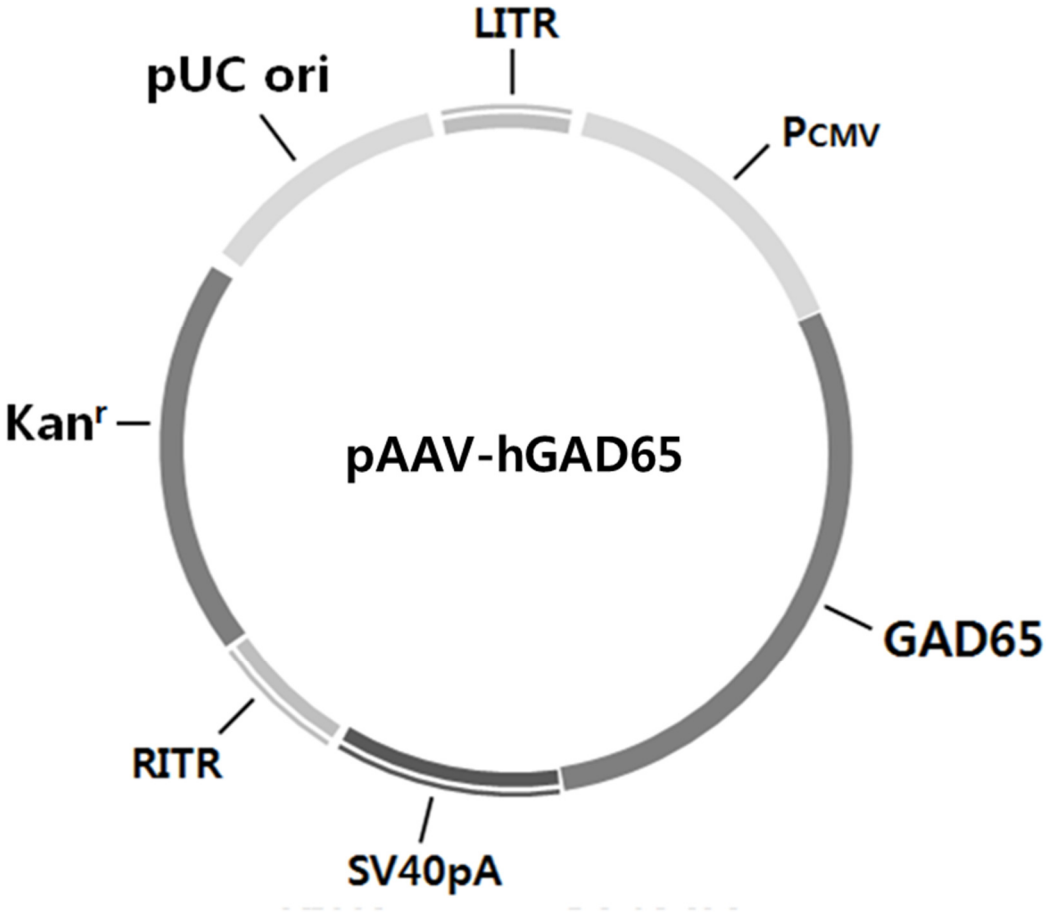
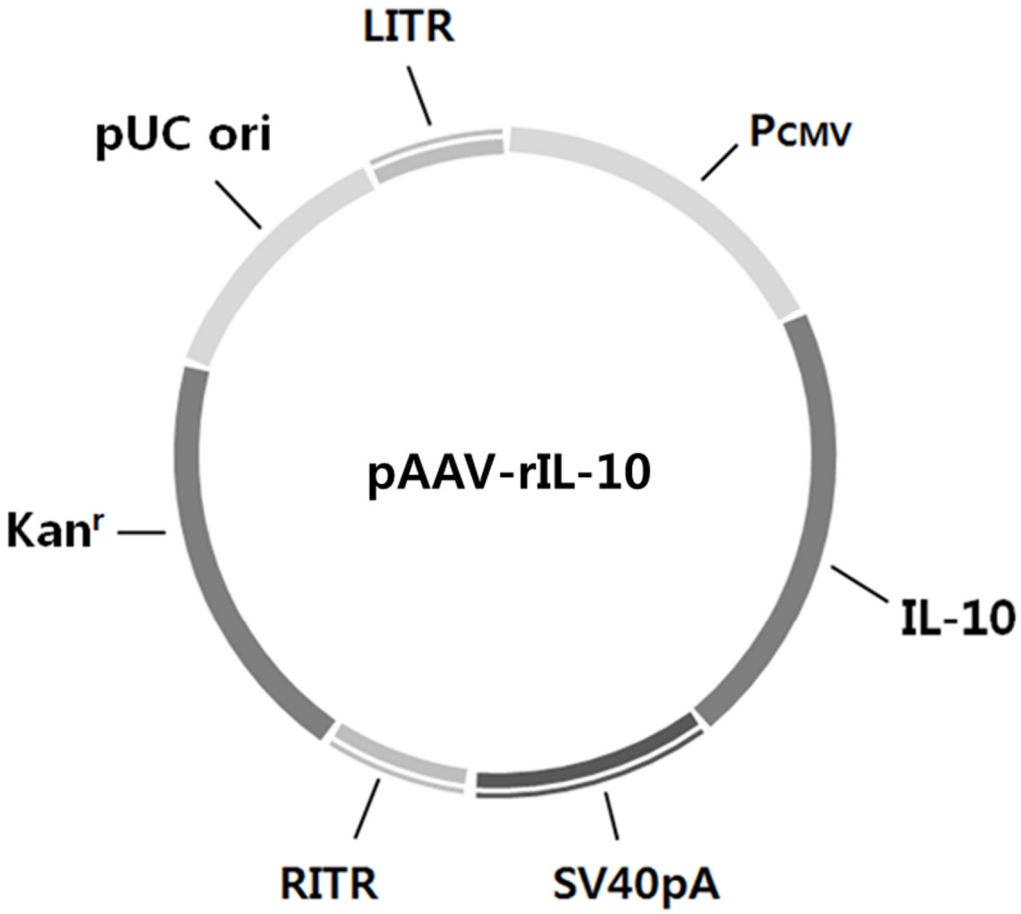
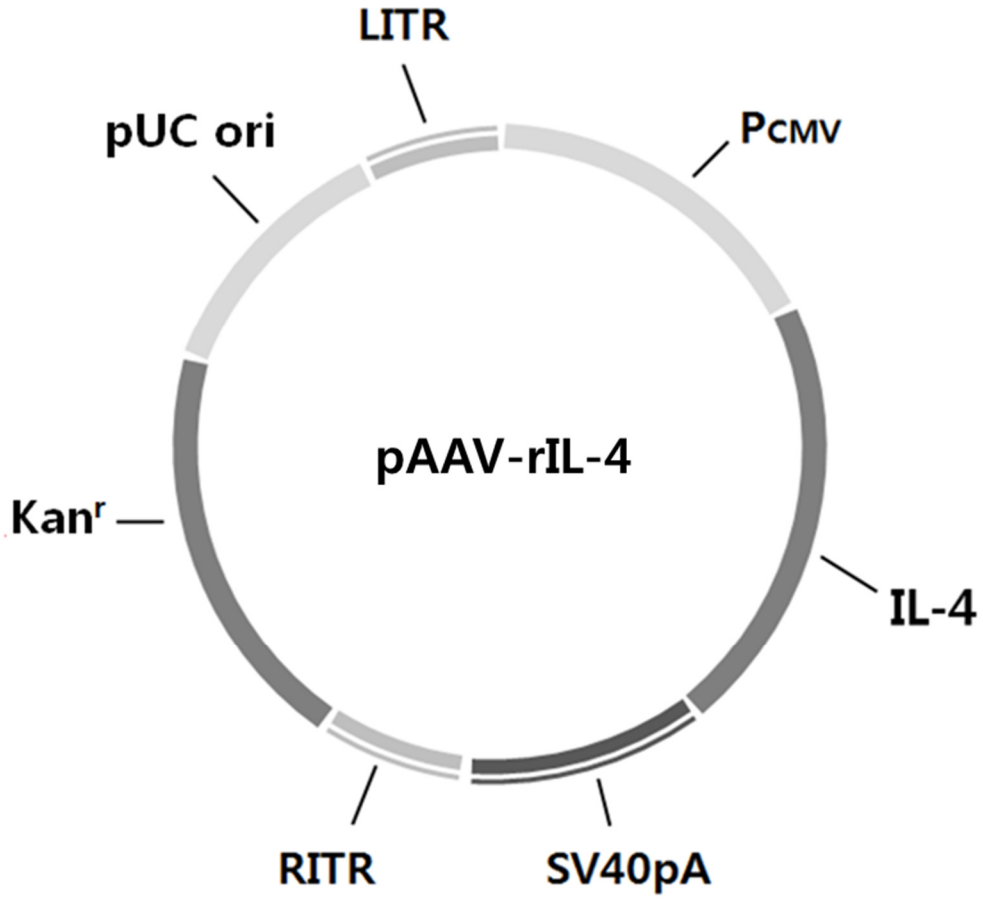
[Fig. 1]



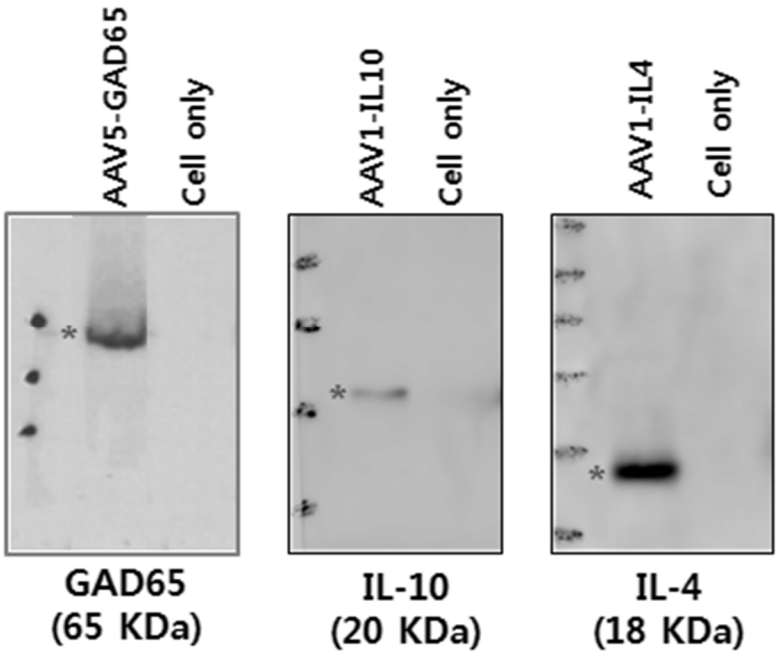
[Fig. 2]



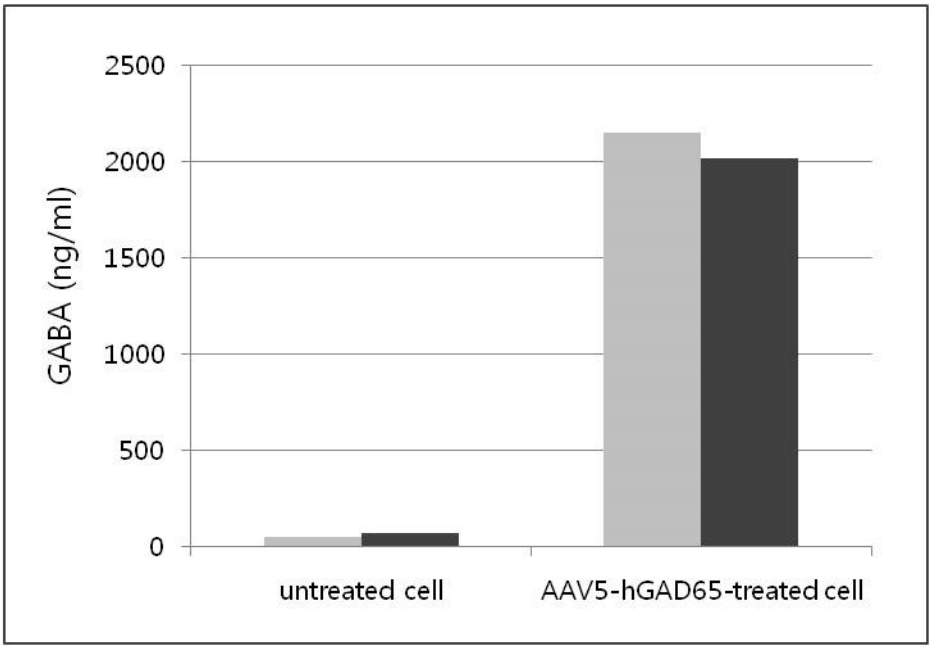
[Fig. 3]



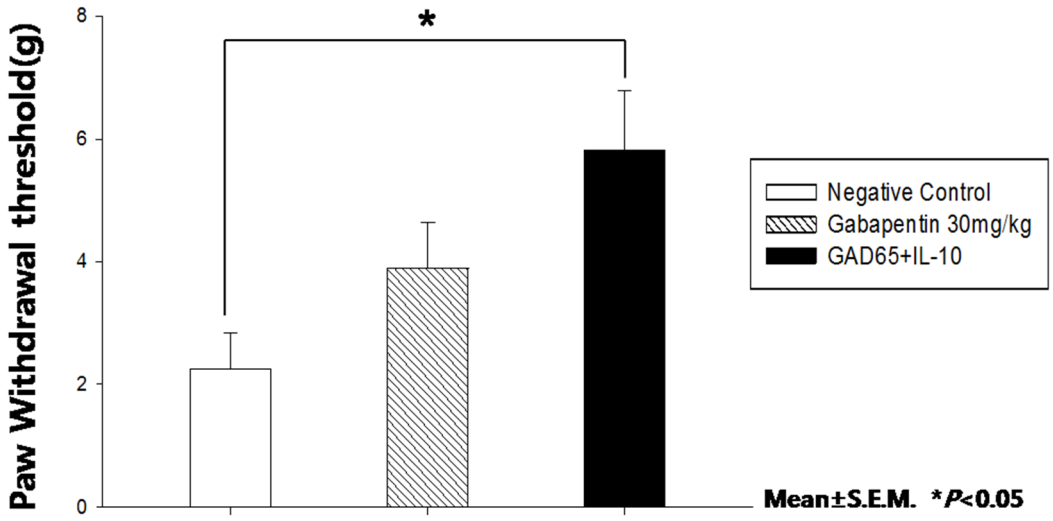
[Fig. 4]


AAV5-GAD65
Cell only
AAV1-IL10
Cell only
AAV1-IL4
Cell only
*
*
*
GAD65
(65 KDa)
IL-10
(20 KDa)
IL-4
(18 KDa)

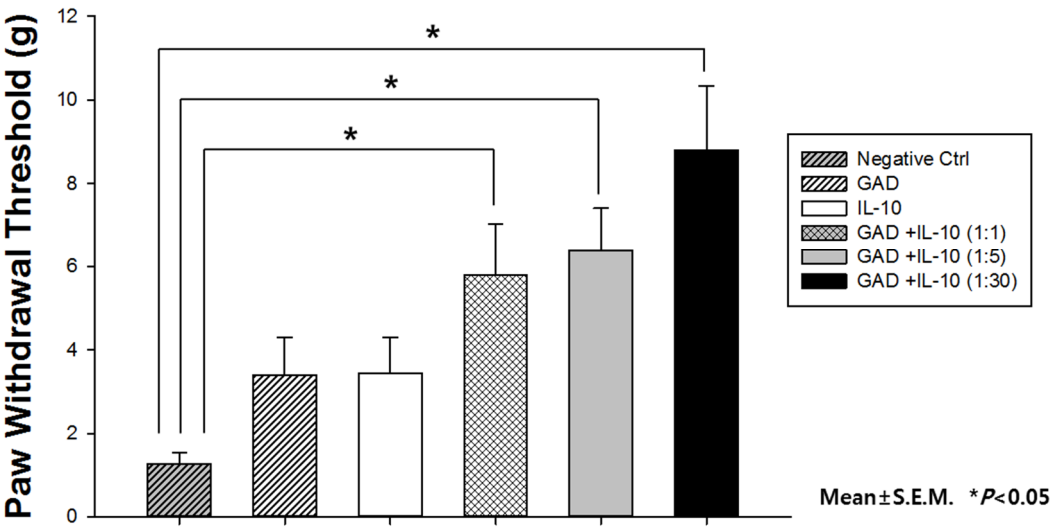
[Fig. 5]


2500
2000
1500
1000
500
0
GABA (ng/ml)
untreated cell
AAV5-hGAD65-treated cell

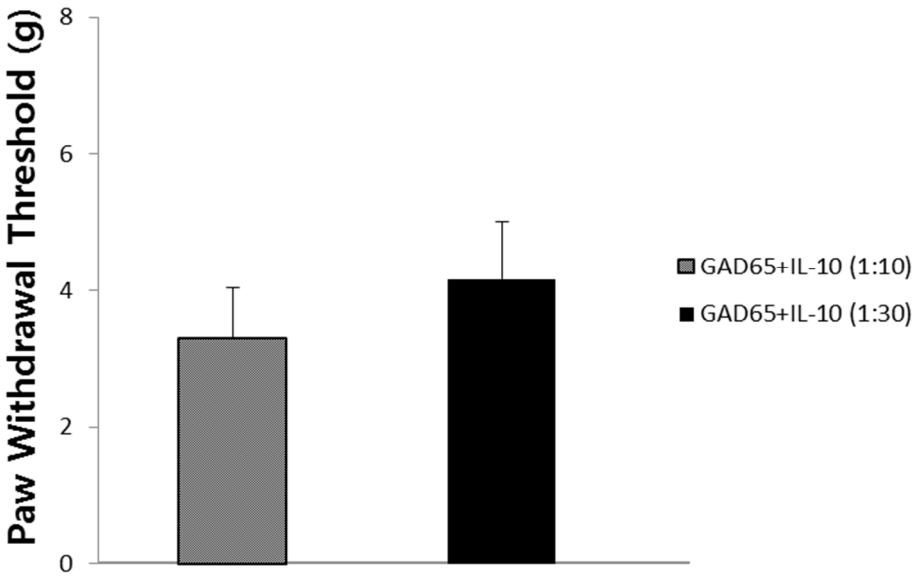
[Fig. 6]


Paw Withdrawal threshold(g)
8
6
4
2
0
*
Negative Control
Gabapentin 30mg/kg
GAD65+IL-10
Mean±S.E.M. *P<0.05

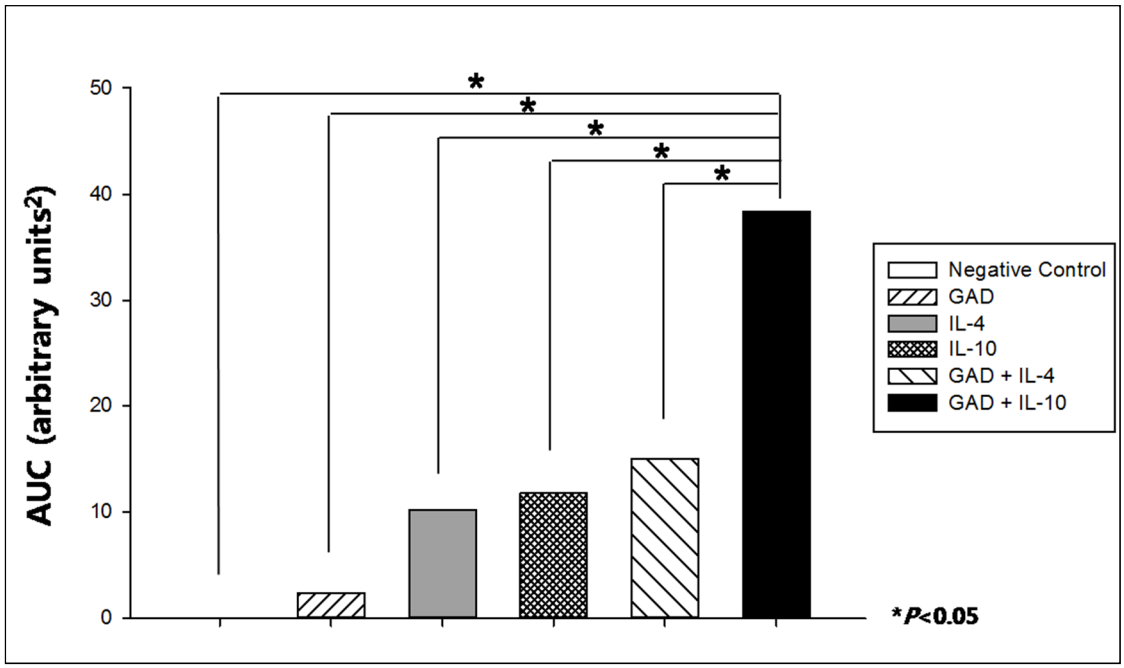
[Fig. 7]


Paw Withdrawal Threshold (g)
12
10
8
6
4
2
0
*
*
*
Negative Ctrl
GAD
IL-10
GAD +IL-10 (1:1)
GAD +IL-10 (1:5)
GAD +IL-10 (1:30)
Mean±S.E.M. *P<0.05

[Fig. 8]


Paw Withdrawal Threshold (g)
8
6
4
2
0
GAD65+IL-10 (1:10)
GAD65+IL-10 (1:30)

[Fig. 9]


AUC (arbitrary units²)
50
40
30
20
10
0
*
*
*
*
*
Negative Control
GAD
IL-4
IL-10
GAD + IL-4
GAD + IL-10
*P<0.05