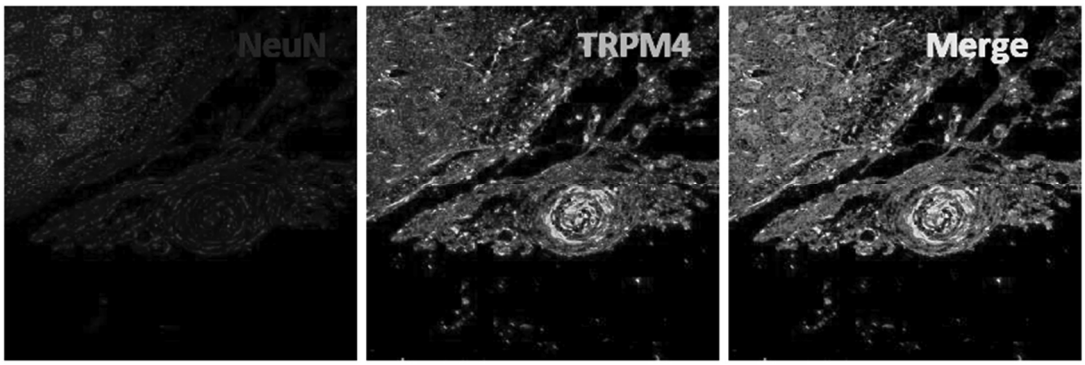


Fig. 1A

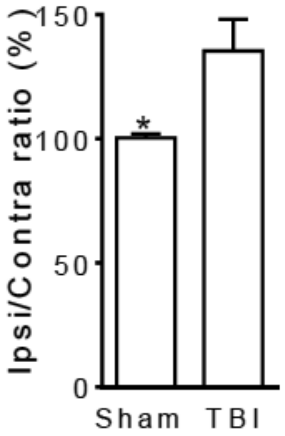


Fig. 1B

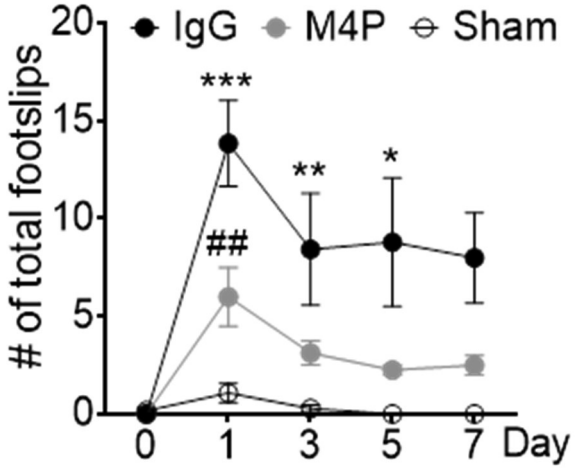


Fig. 1C

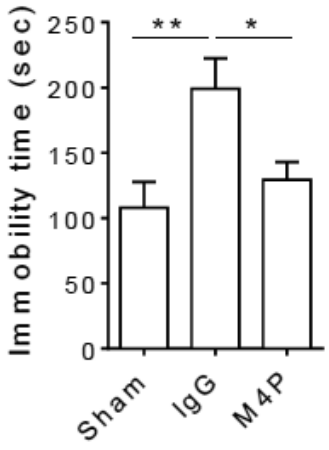

Immobility time (sec)
250
200
150
100
50
0
**
*
Sham
IgG
M4P

Fig. 1D

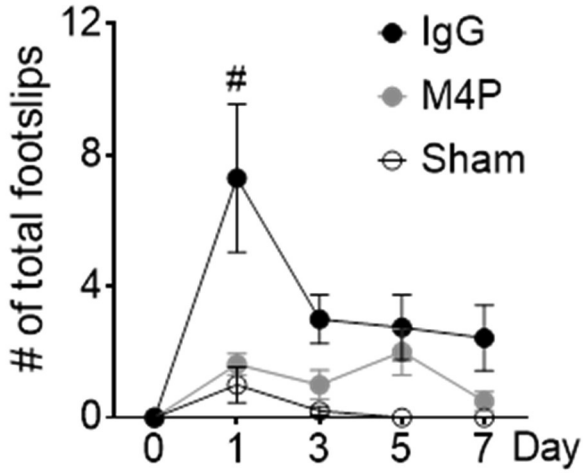

# of total footslips
12
8
4
0
#
IgG
M4P
Sham
0
1
3
5
7
Day

Fig. 1E

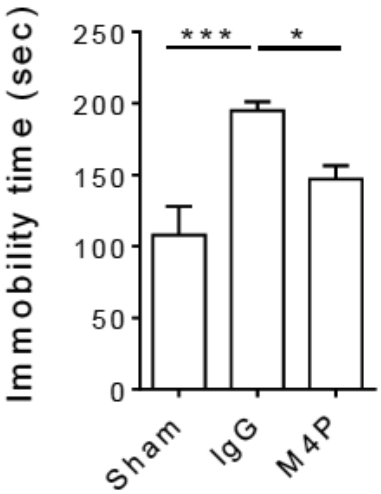

Immobility time (sec)
250
200
150
100
50
0
***
*
Sham
IgG
M4P

Fig. 1F

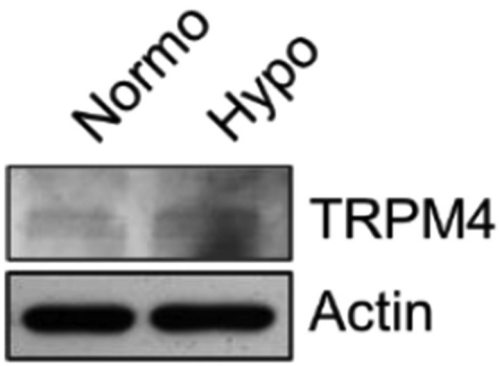


Fig. 2A

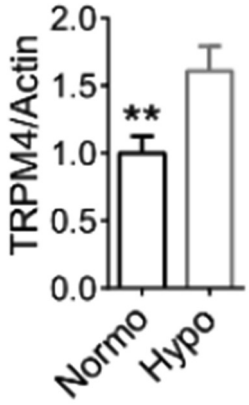


Fig. 2B

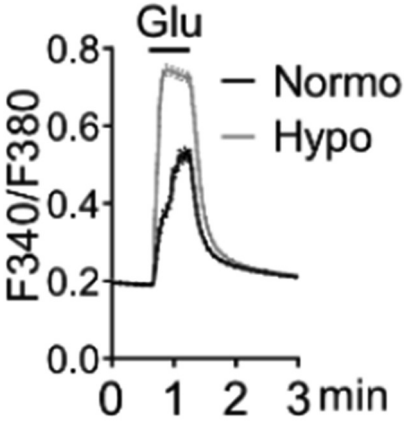


Fig. 2C

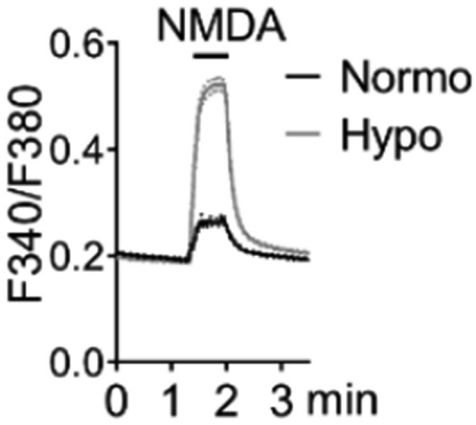


Fig. 2D

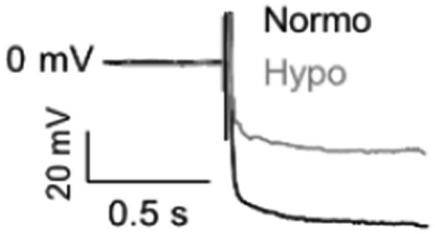


Fig. 2E

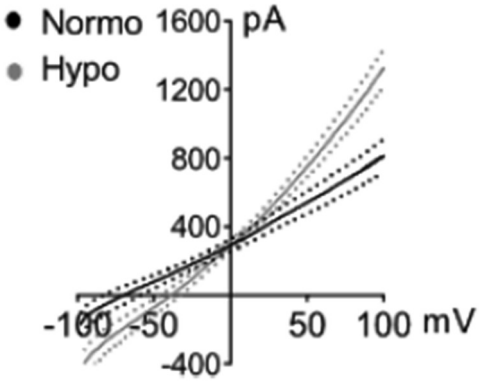


Fig. 2F

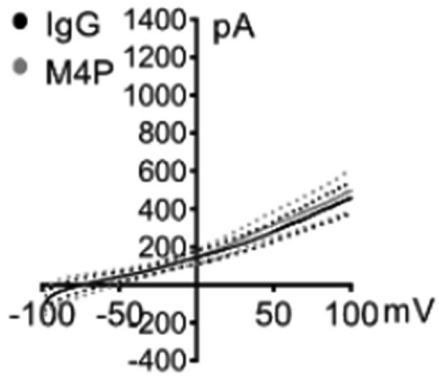


Fig. 2G

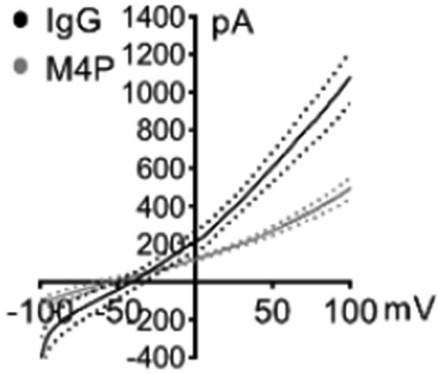


Fig. 2H

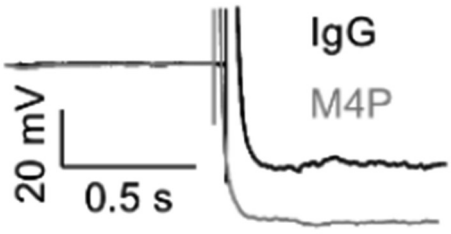


Fig. 2I

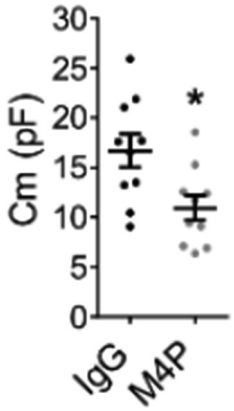


Fig. 2J

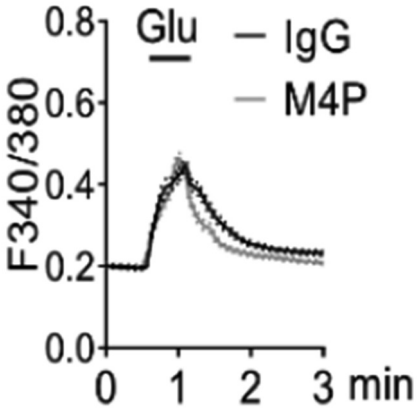


Fig. 2K

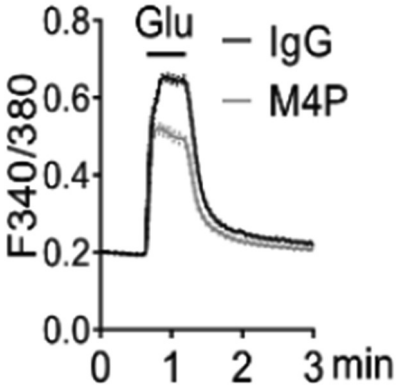


Fig. 2L

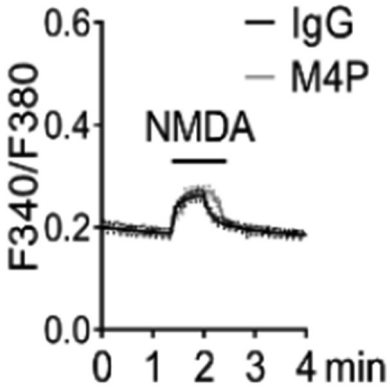


Fig. 2M

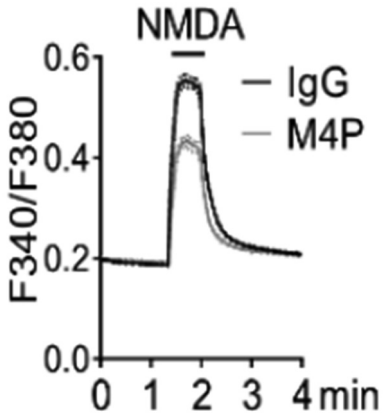


Fig. 2N

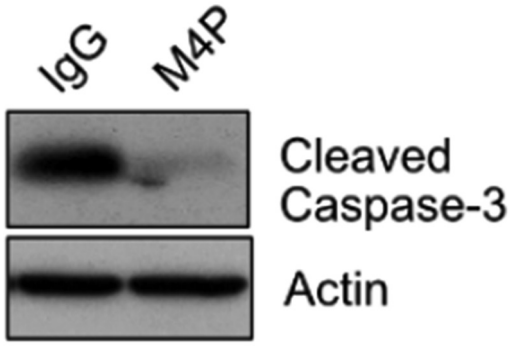


Fig. 2O

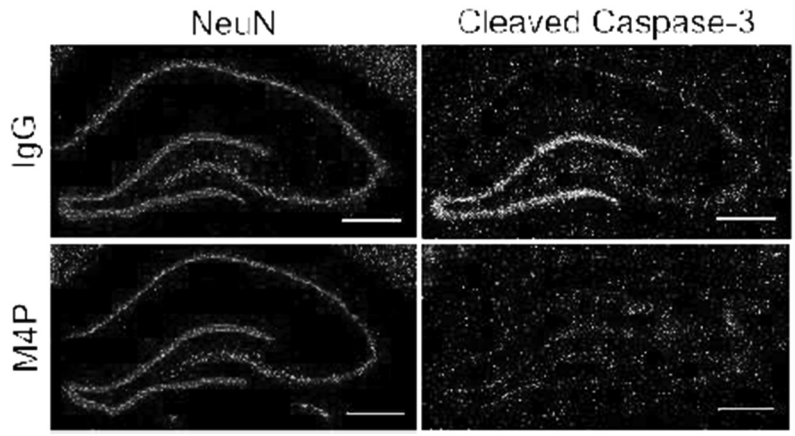


Fig. 3A

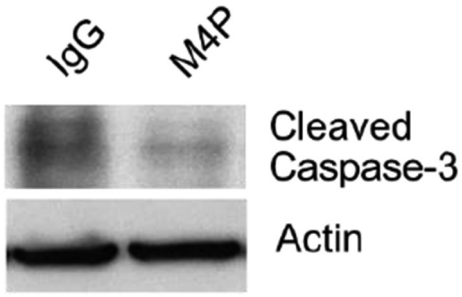


Fig. 3B

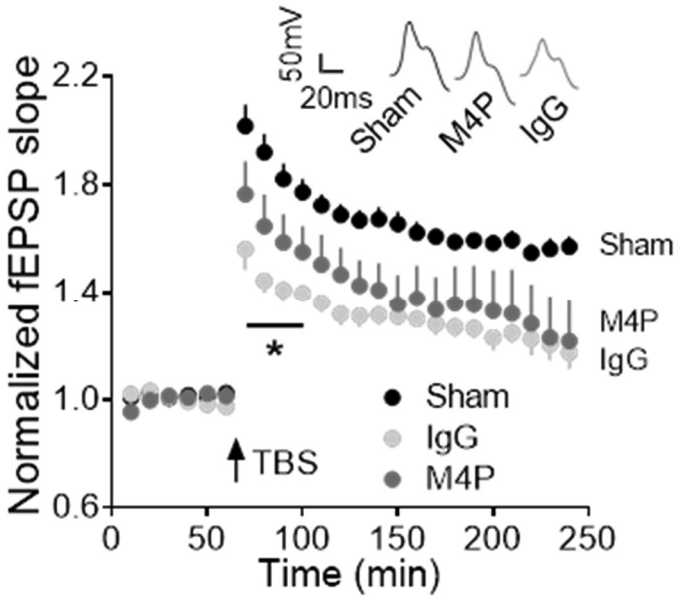


Fig. 3C

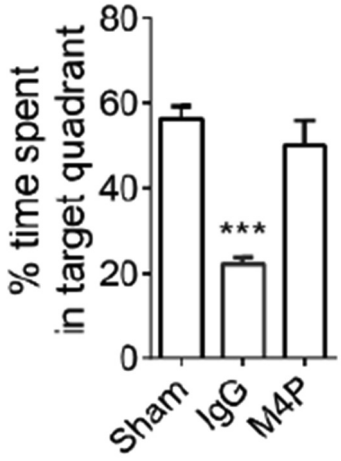

% time spent
in target quadrant
80
60
40
20
0
***
Sham
IgG
M4P

Fig. 3D

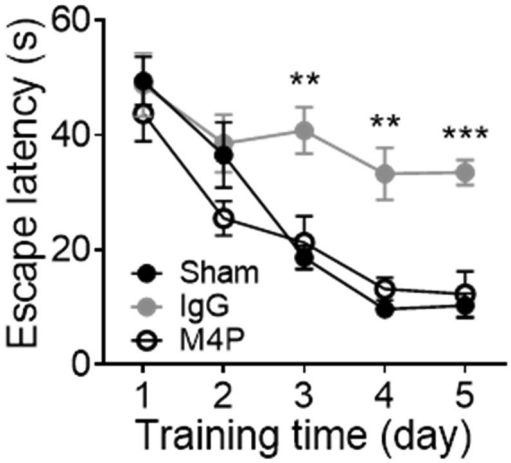

Escape latency (s)
60
40
20
0
**
**
***
Sham
IgG
M4P
1
2
3
4
5
Training time (day)

Fig. 3E

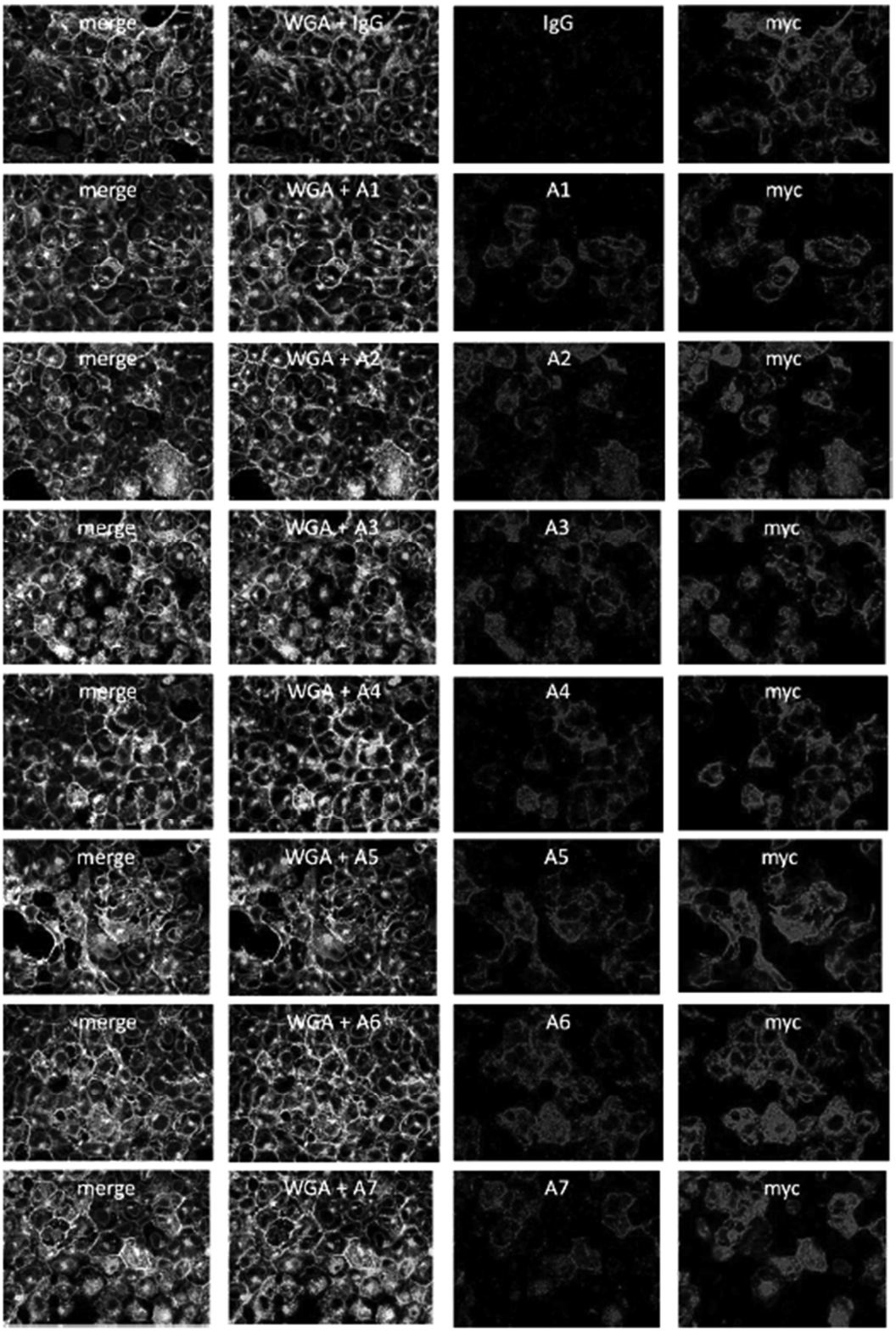

merge
WGA + IgG
IgG
myc
merge
WGA + A1
A1
myc
merge
WGA + A2
A2
myc
merge
WGA + A3
A3
myc
merge
WGA + A4
A4
myc
merge
WGA + A5
A5
myc
merge
WGA + A6
A6
myc
merge
WGA + A7
A7
myc

Fig. 4A

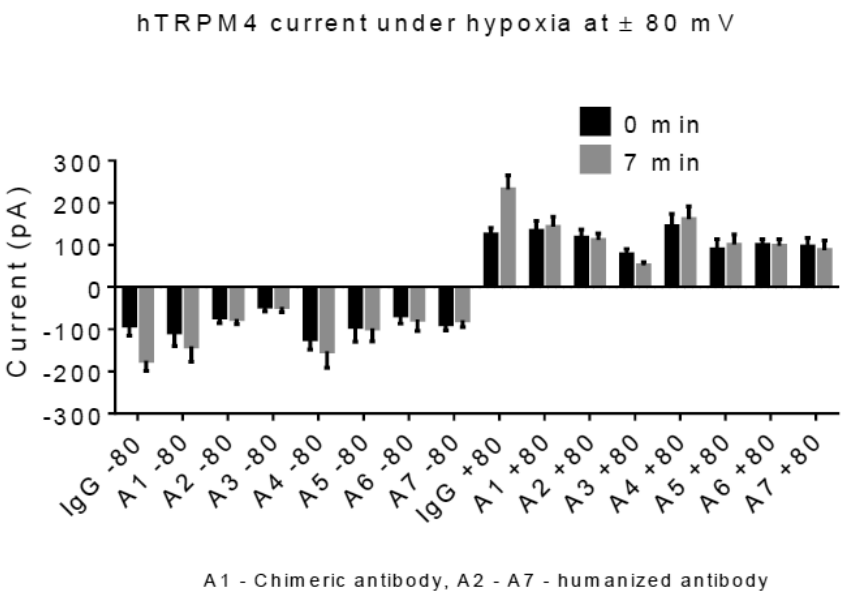

hTRPM4 current under hypoxia at ± 80 mV
0 min
7 min
Current (pA)
300
200
100
0
-100
-200
-300
IgG -80
A1 -80
A2 -80
A3 -80
A4 -80
A5 -80
A6 -80
A7 -80
IgG +80
A1 +80
A2 +80
A3 +80
A4 +80
A5 +80
A6 +80
A7 +80
A1 - Chimeric antibody, A2 - A7 - humanized antibody

Fig. 4B

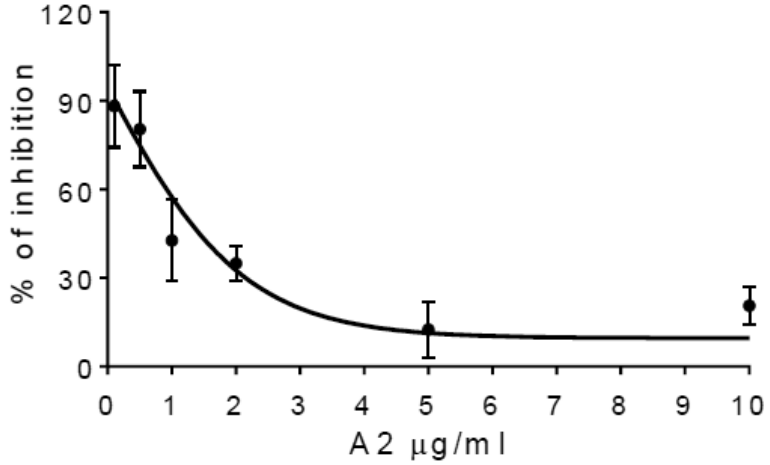

% of inhibition
120
90
60
30
0
0
1
2
3
4
5
6
7
8
9
10
A2 µg/ml

Fig. 4C

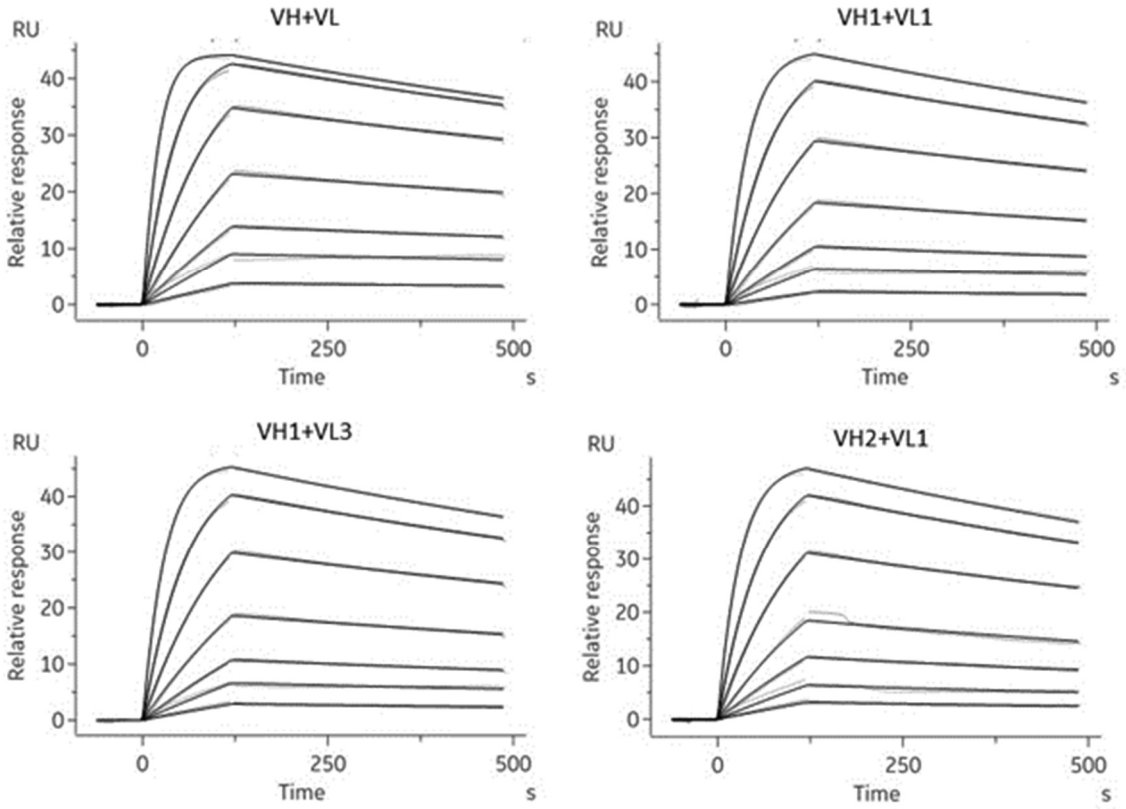

VH+VL
VH1+VL1
VH1+VL3
VH2+VL1
RU
Relative response
Time
s
0
10
20
30
40
250
500

Fig. 5