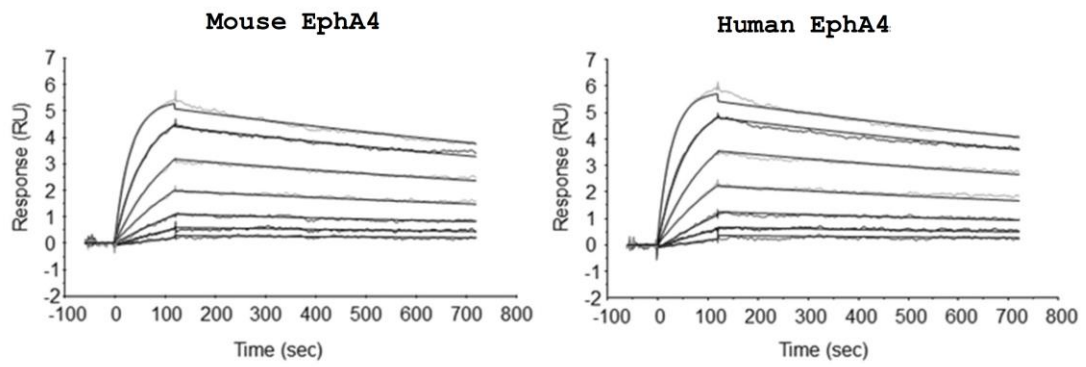


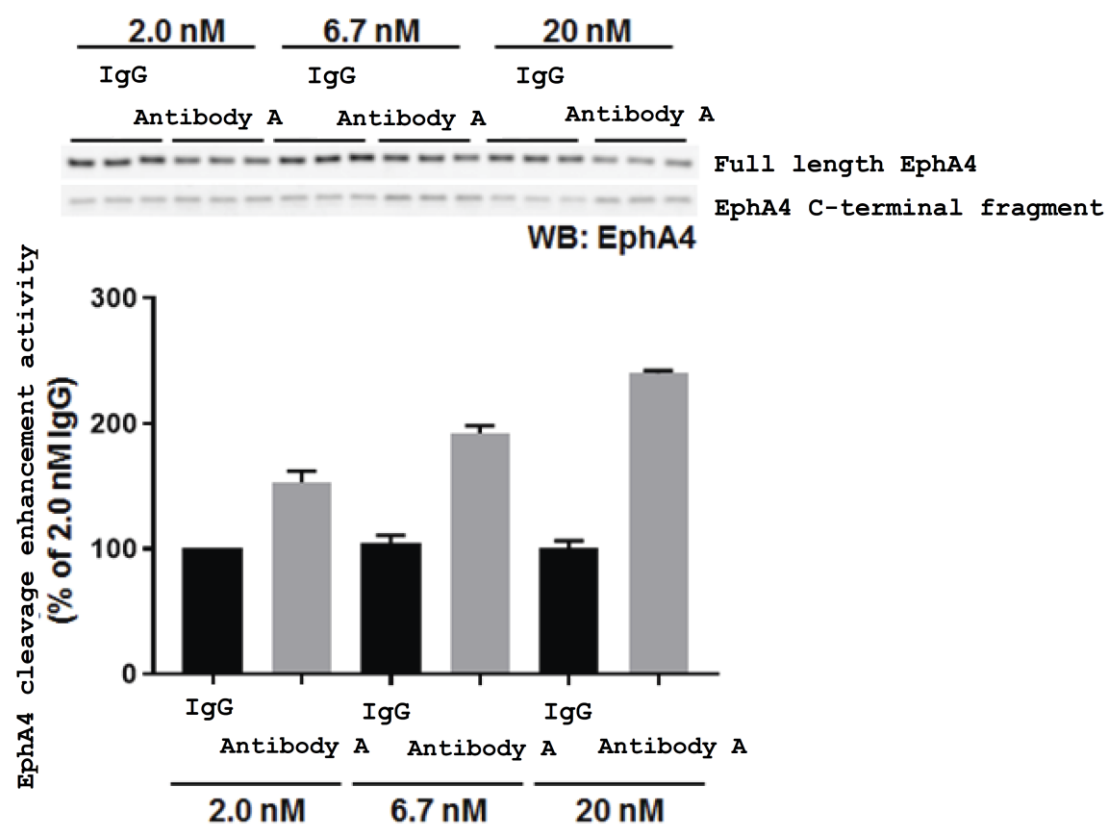
# FIGURES

[Figure 1]

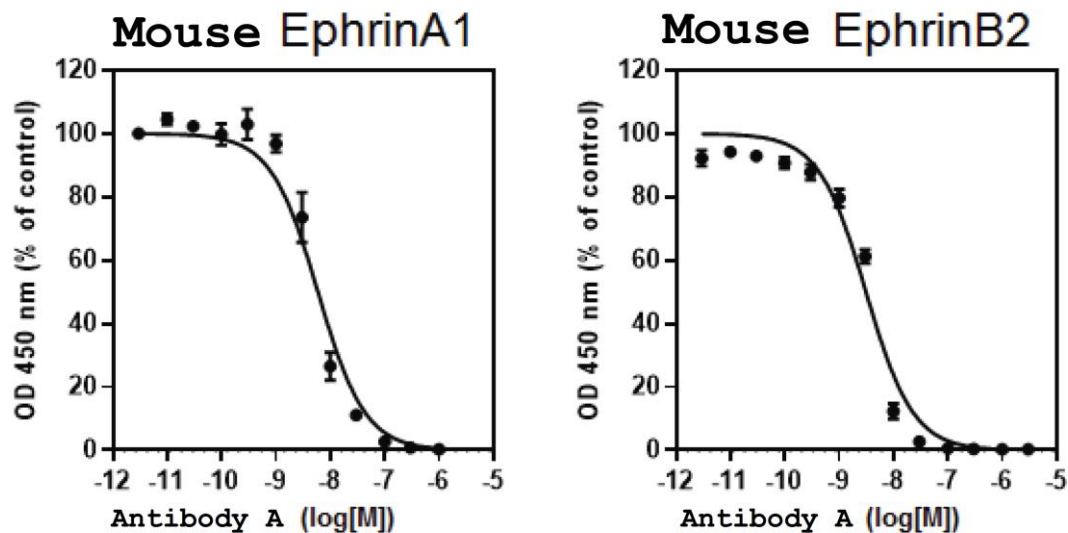
|                    | ka (1/Ms) | kd (1/s)  | KD (M)    | Rmax (RU) | Chi <sup>2</sup> (RU <sup>2</sup> ) |
|--------------------|-----------|-----------|-----------|-----------|-------------------------------------|
| <b>Mouse EphA4</b> | 3.28.E+05 | 4.33.E-04 | 1.32.E-09 | 5.48      | 0.006                               |
| <b>Human EphA4</b> | 3.79.E+05 | 4.48.E-04 | 1.19.E-09 | 5.40      | 0.012                               |



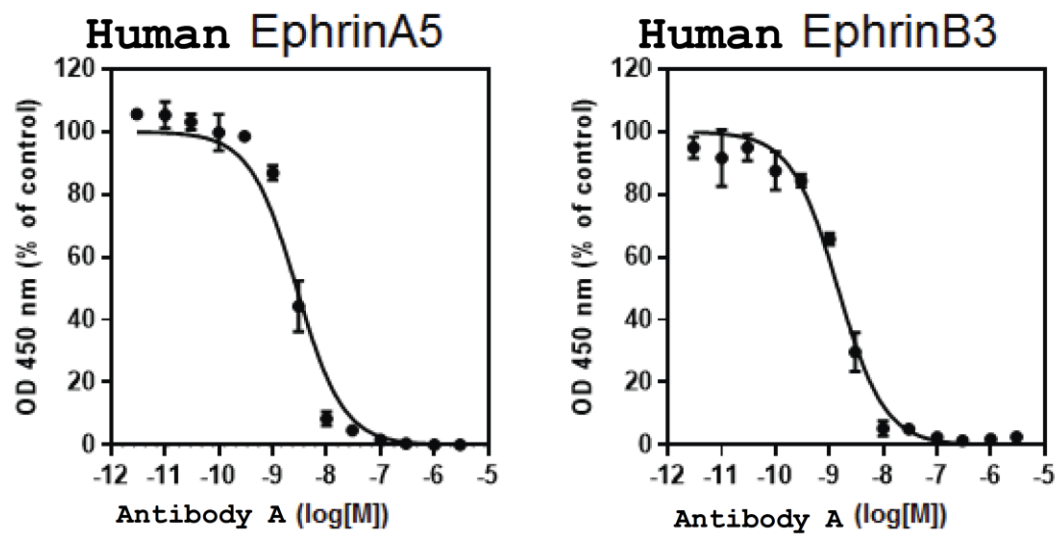
[Figure 2]



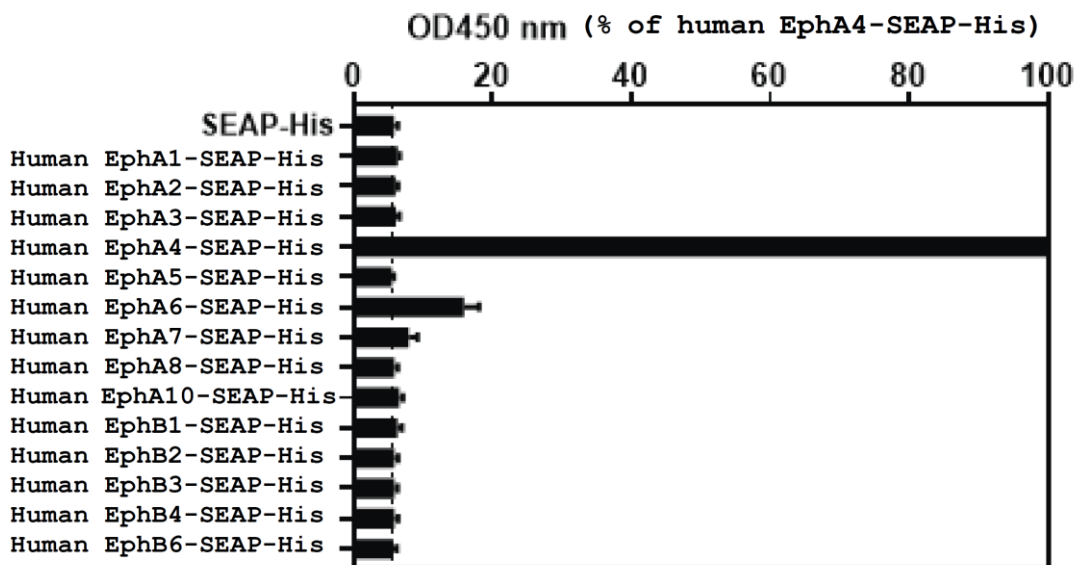
[Figure 3]



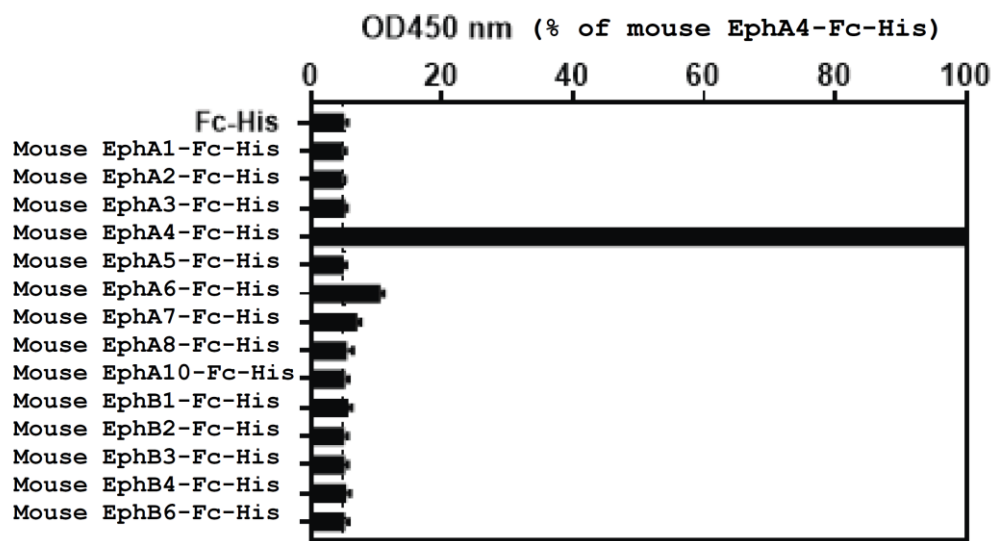
[Figure 4]



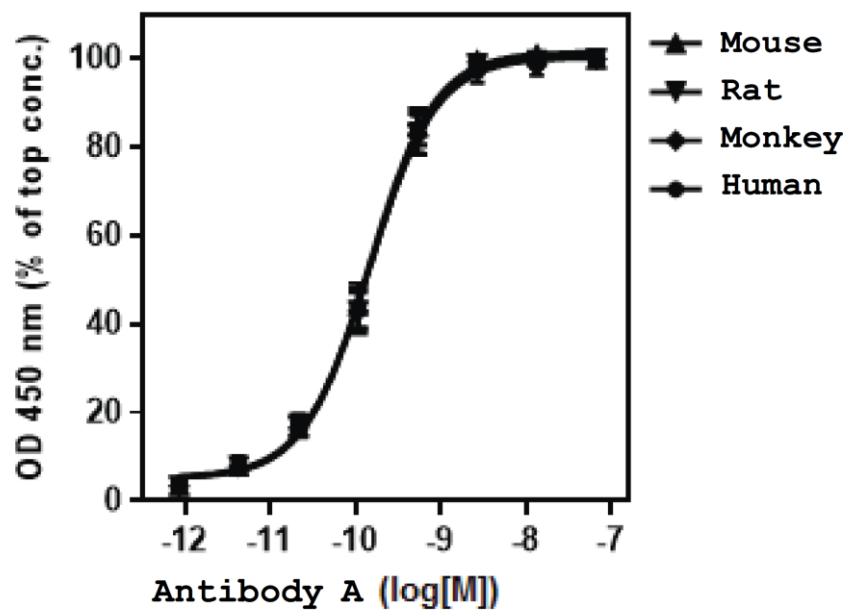
[Figure 5]



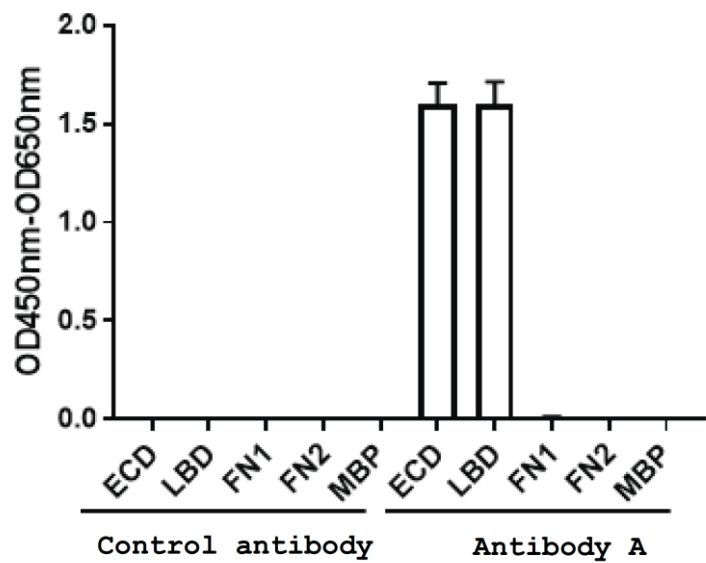
[Figure 6]



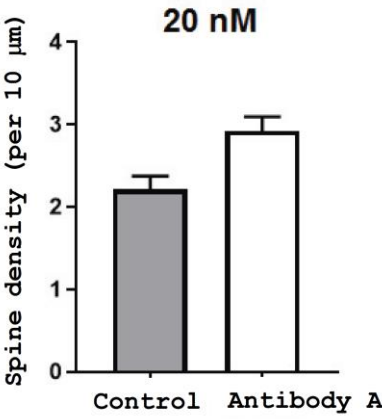
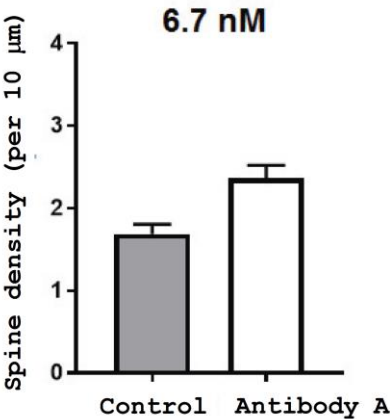
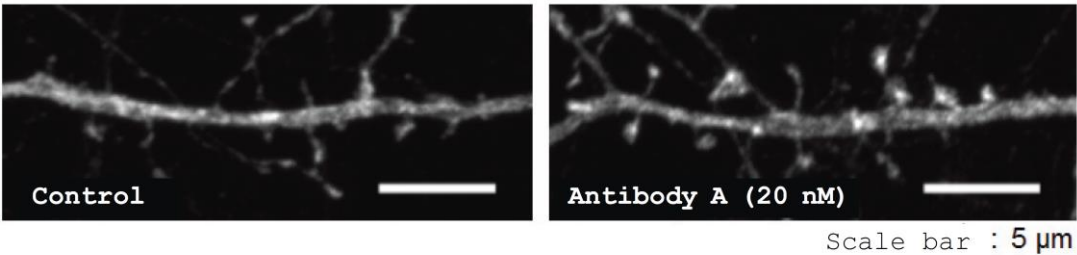
[Figure 7]



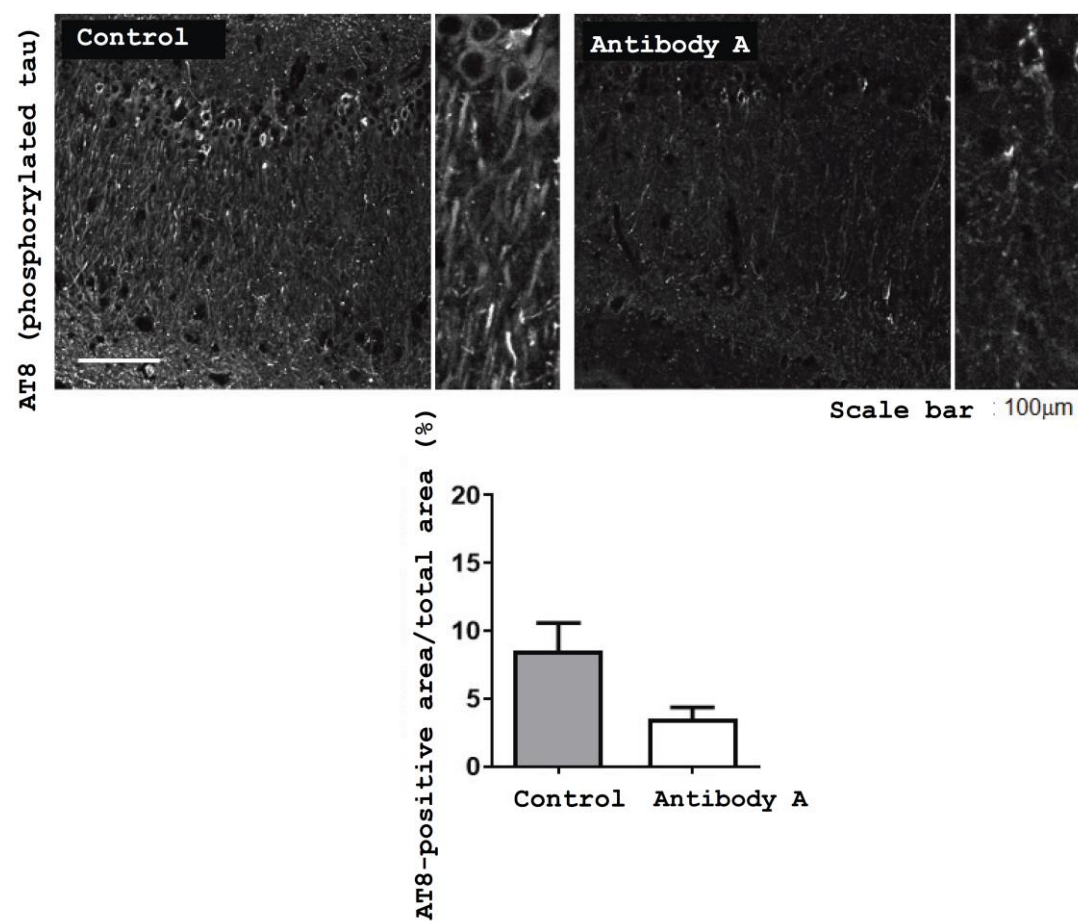
[Figure 8]



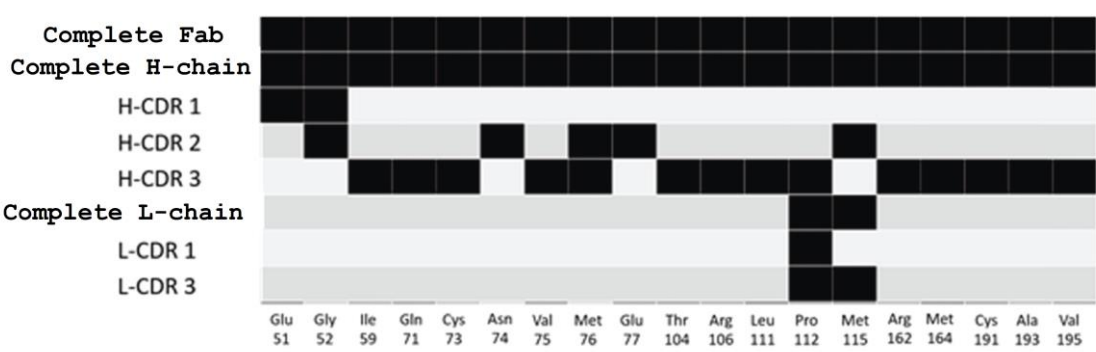
[Figure 9]



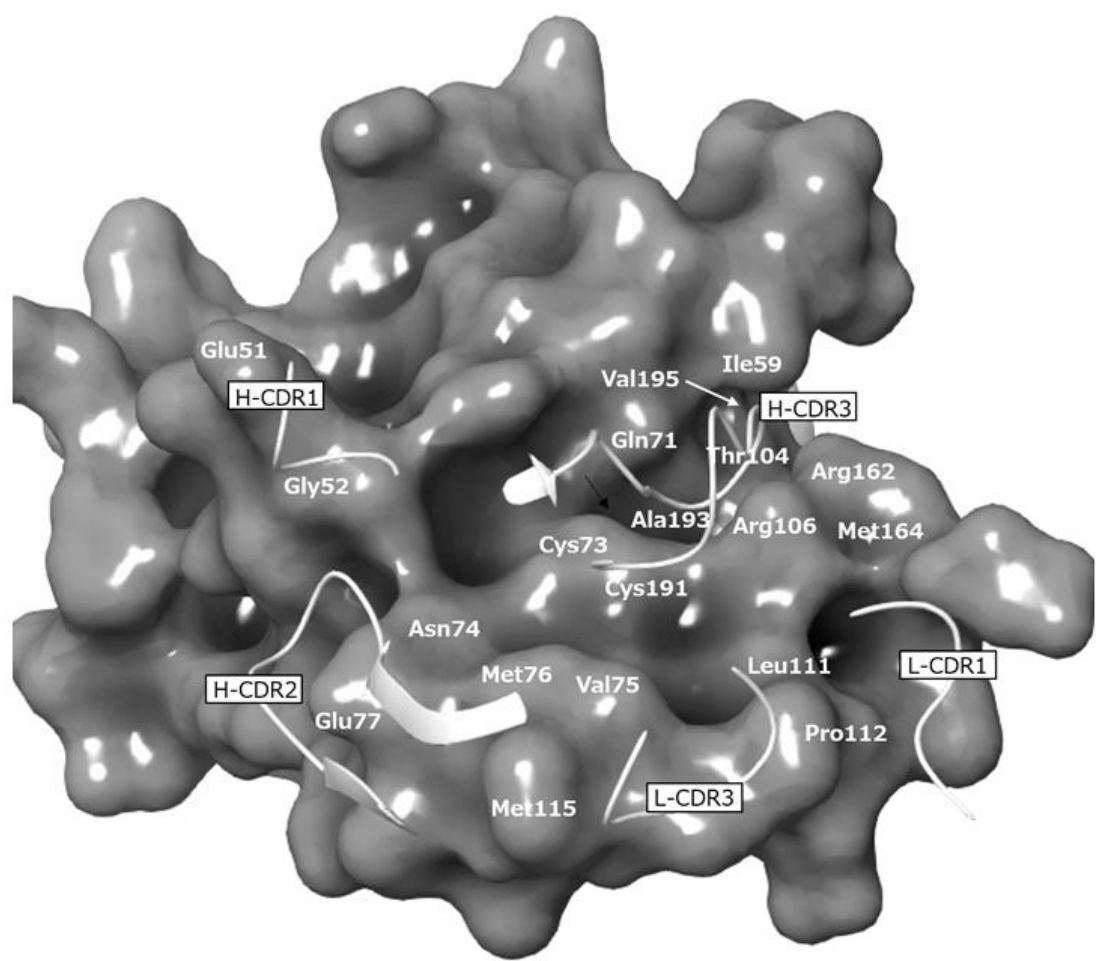
[Figure 10]



[Figure 11A]

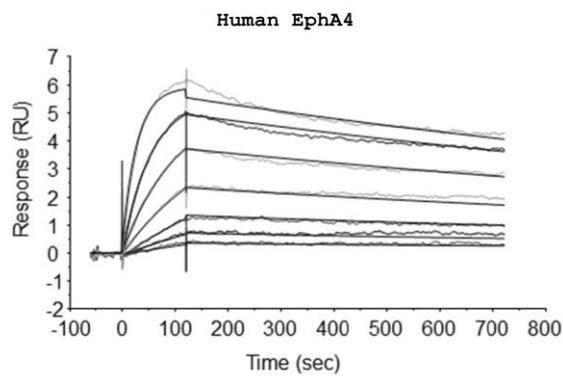


[Figure 11B]

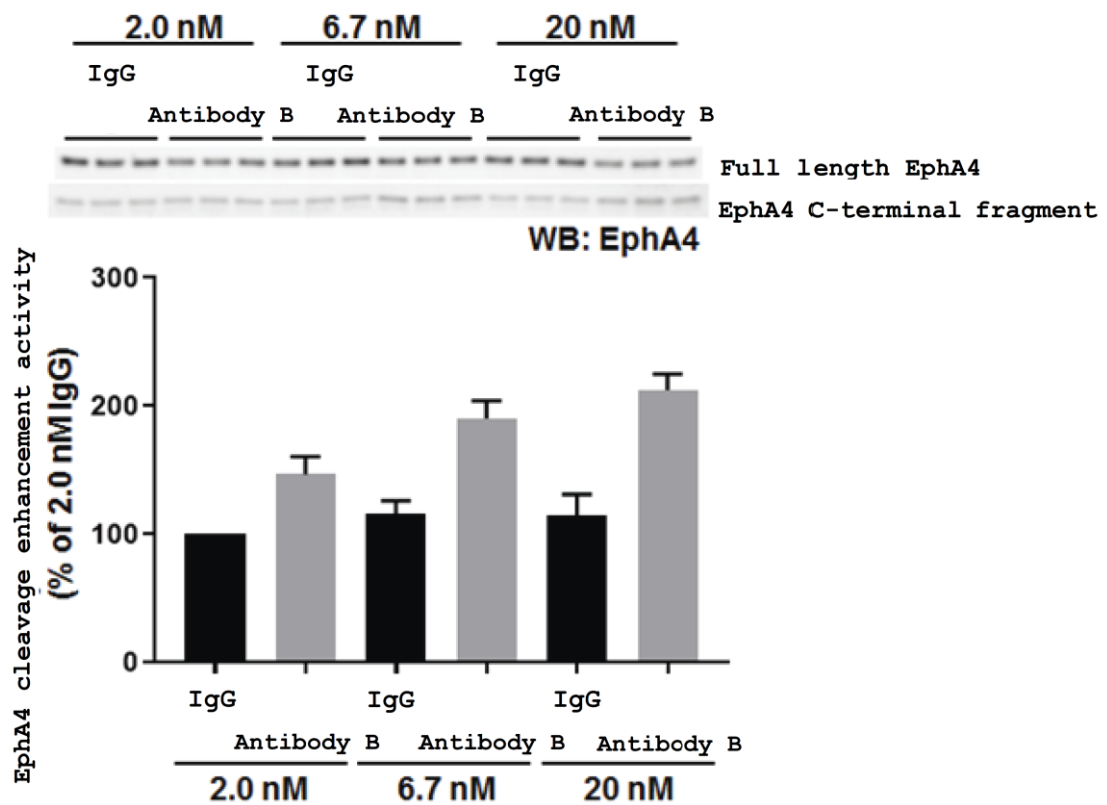


[Figure 12]

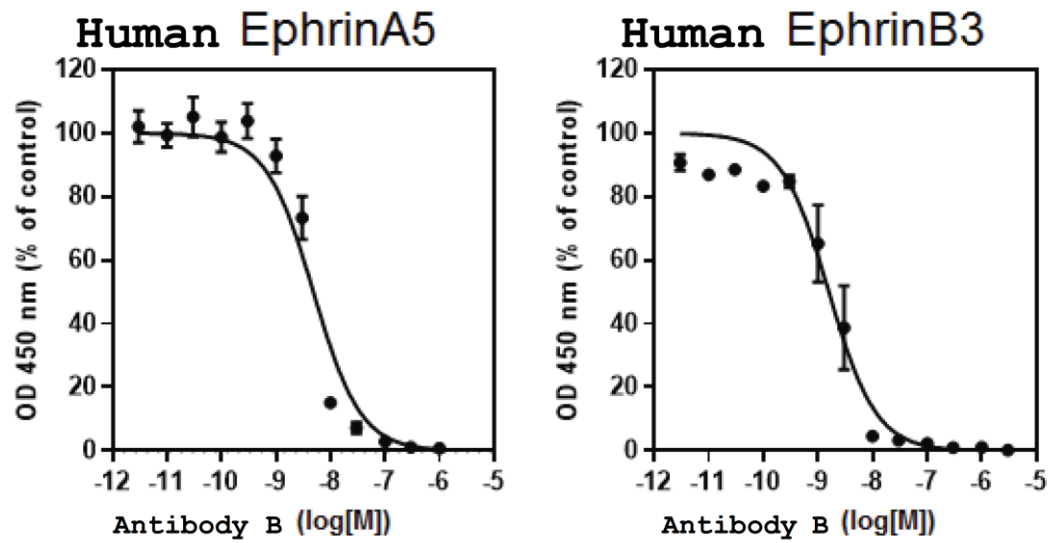
|       |       | $k_a$ (1/Ms) | $k_d$ (1/s) | $K_D$ (M) | $R_{max}$ (RU) | $\chi^2$ (RU <sup>2</sup> ) |
|-------|-------|--------------|-------------|-----------|----------------|-----------------------------|
| Human | EphA4 | 3.70.E+05    | 4.94.E-04   | 1.34.E-09 | 5.66           | 0.015                       |



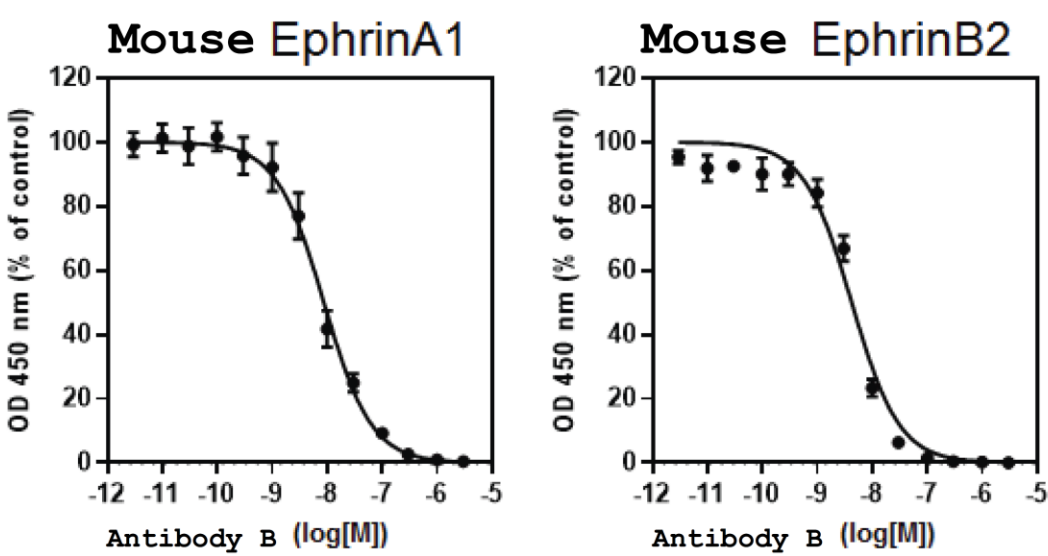
[Figure 13]



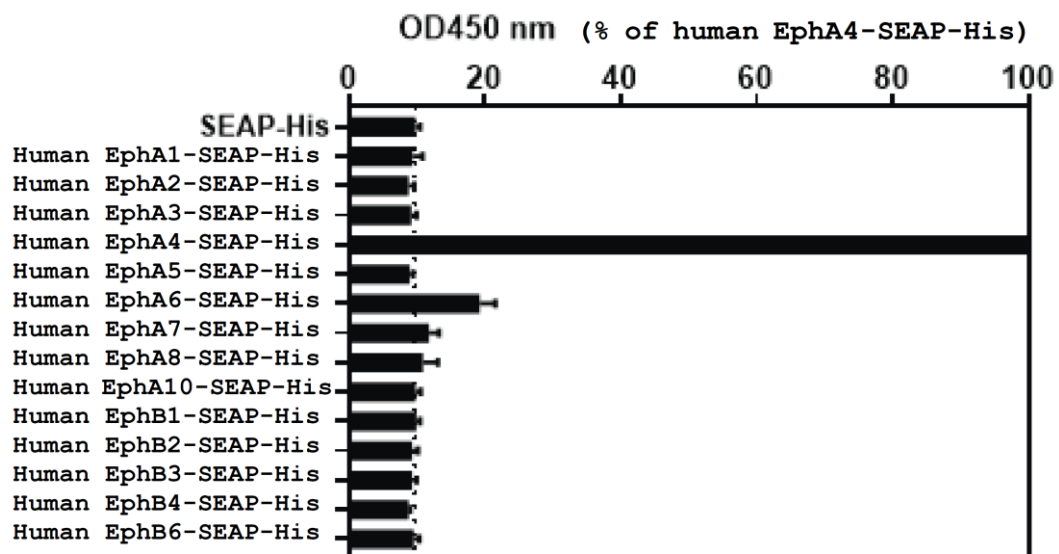
[Figure 14]



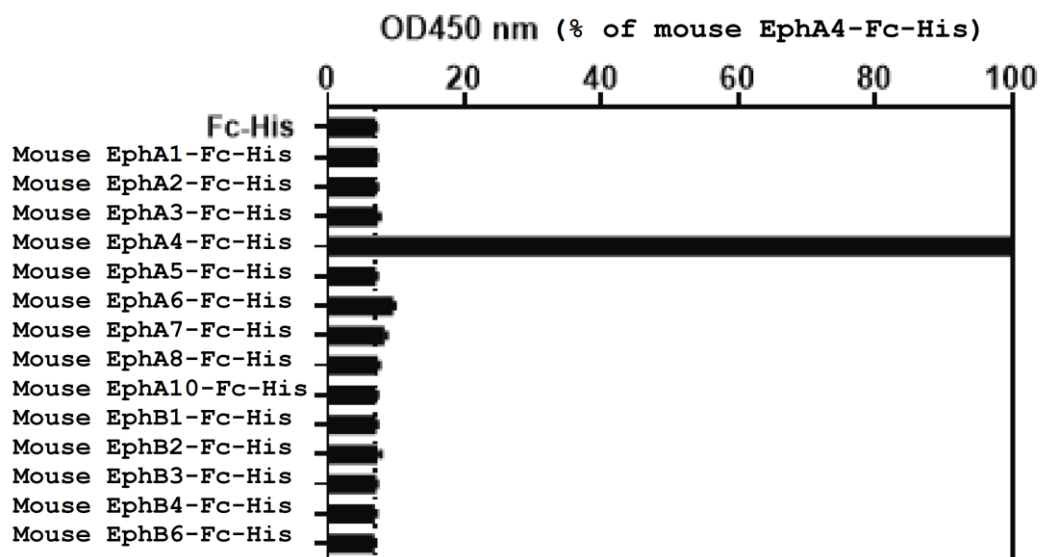
[Figure 15]



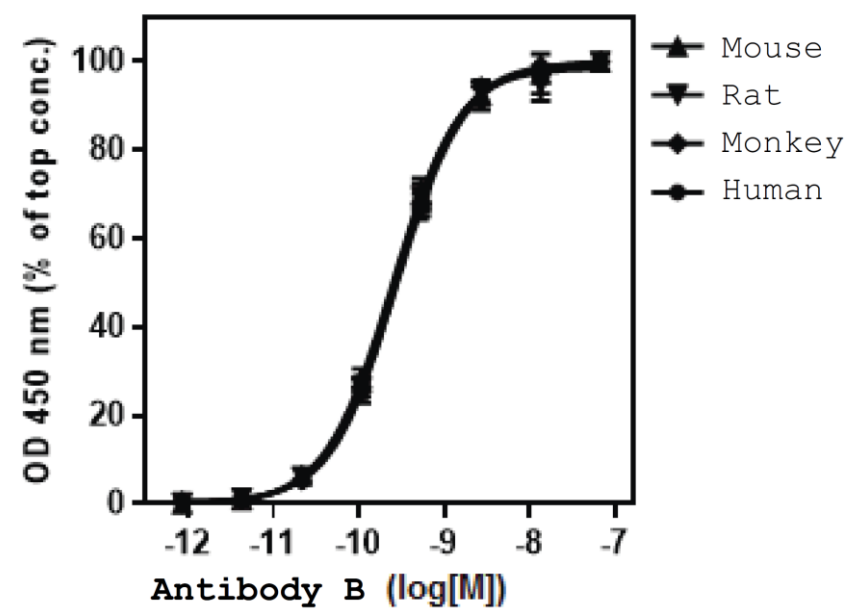
[Figure 16]



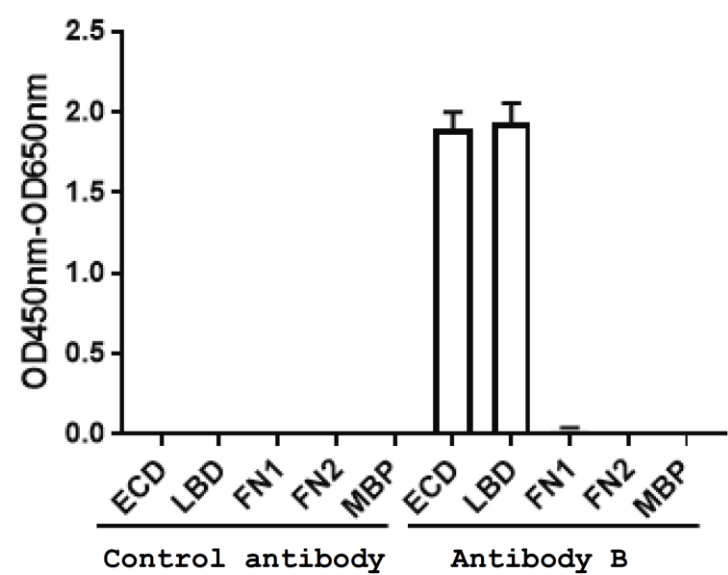
[Figure 17]



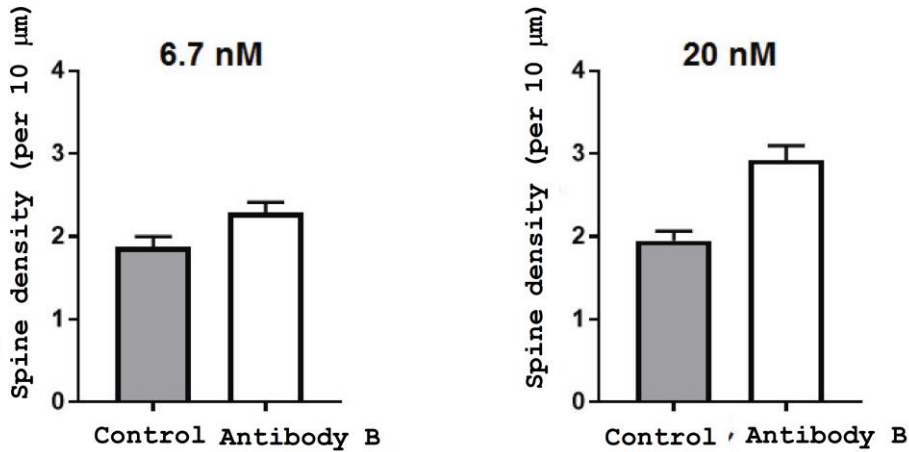
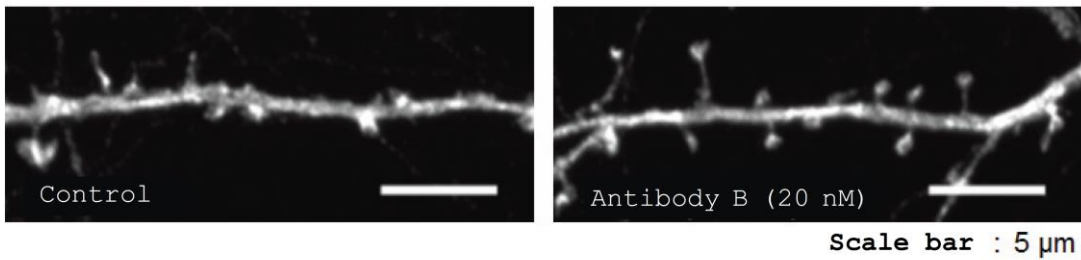
[Figure 18]



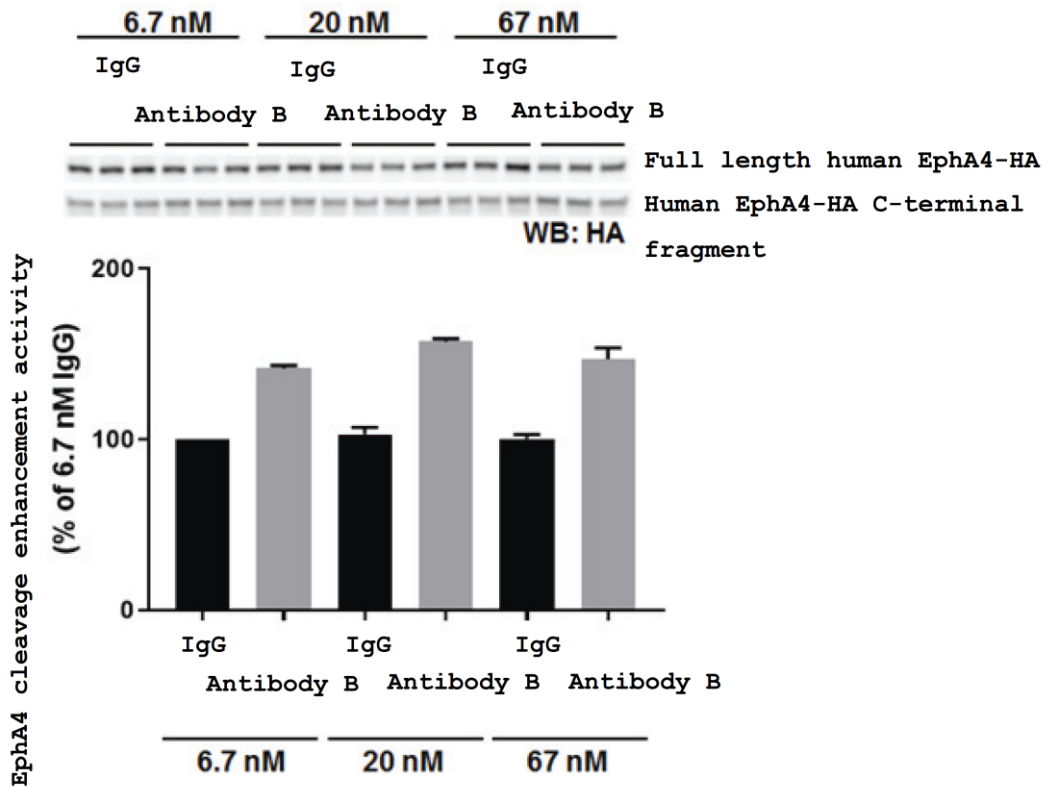
[Figure 19]



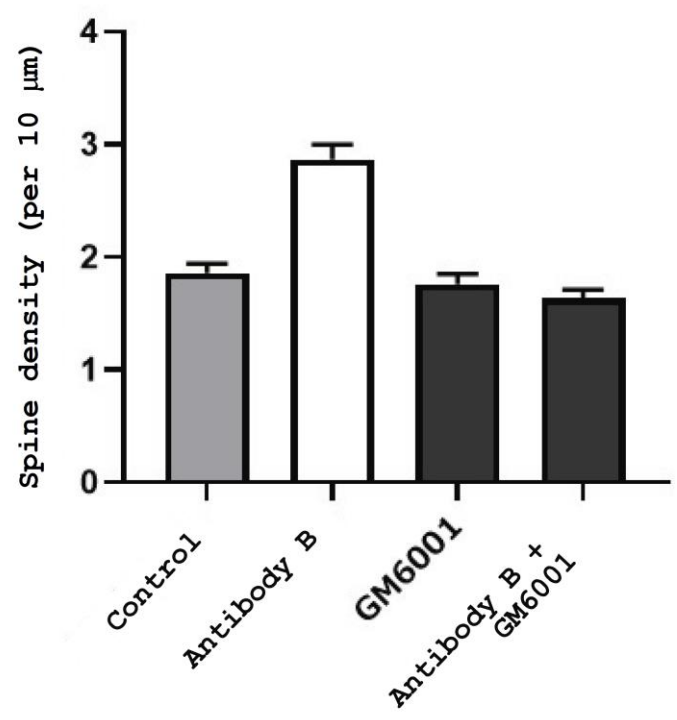
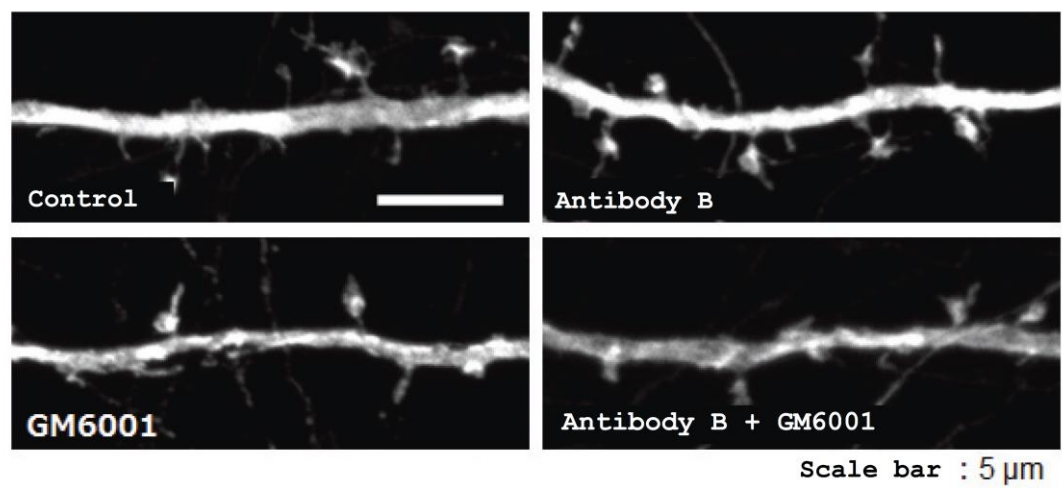
[Figure 20]



[Figure 21]



[Figure 22]



[Figure 23]

