

## GluA3

Cat.No. 182-2P; control peptide, 100 µg peptide (lyophilized)

### Data Sheet

|                            |  |
|----------------------------|--|
| Reconstitution/<br>Storage | 100 µg peptide, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.<br>Control peptides should also be stored at -20°C when still lyophilized!   |
| Immunogen                  | Synthetic peptide corresponding to AA 860 to 871 from mouse GluA3 (UniProt Id: Q9Z2W9)   |
| Recommended<br>dilution    | Optimal concentrations should be determined by the end-user.   |
| matching<br>antibodies     | 182 203  |
| Remarks                    | This control peptide consists of the synthetic peptide (aa 860 - 871 in mouse GluA 3) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of peptide needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen. |

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

Ionotropic **glutamate receptors (iGluRs)** mediate rapid excitatory neurotransmission in the mammalian CNS. They can be subdivided into three major groups, the **AMPA/GluA**, NMDA/GluN and kainate/GluK receptors (KARs). mRNAs coding for glutamate receptors are substrates for an adenosine deaminase acting on RNA (ADAR) that increases the diversity of these proteins. Glutamate receptors of the AMPA subtype are monovalent cation channels and are composed of the four AMPA subunits GluA 1, GluA 2, **GluA 3**, and GluA 4.

### Selected General References

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