

Cat.No. 191-0P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 1091 to 1199 from mouse mGluR1-α (UniProt Id: P97772)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	191 002
Remarks	This control protein consists of the recombinant protein (aa 1092 - 1199 in mouse mGluR1) 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 protein 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

Glutamate is the main excitatory neurotransmitter in the vertebrate nervous system and regulates a number of cellular signaling pathways. In addition to the ionotropic glutamate receptors of the NMDA, AMPA and kainate type, eight metabotropic receptors (mGluR1 - 8) have been described so far. This receptor family can be subdivided into three groups: Group I receptors (**mGluR1**, mGluR5) are activated by dihydroxyphenylglycine (DHPG), group II receptors (**mGluR2**, mGluR3) by dicarboxycyclopropylglycine (DCG-IV), and group III receptors (mGluR4, mGluR6, mGluR7, mGluR8) by aminophosphonobutyrate (L-AP4).

Selected General References

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