

DESCRIPTION

Species Reactivity	Human
Specificity	Detects mouse GluR1 in direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1059503
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide Accession # P42261
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GluR1 is a 4-transmembrane protein that belongs to the glutamate-gated ion channel family. It is one of four AMPA receptor subunits that form a functional heterotetrameric glutamate receptor. GluR1 only interacts with GluR2. In addition to constitutive phosphorylation on a key serine in the C-terminal extracellular region, neurotransmitter-induced phosphorylation of another key serine by CaMKII leads to a potentiation of glutamate-mediated current.

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