GluR1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GluR1, Monoclonal Antibody
Full Product Name	GluR1 (Glutamate Receptor 1, GluR-1, AMPA-selective Glutamate Receptor 1, GLUH1, GLURA, GluR-A, GluR-K1, Glutamate Receptor Ionotropic AMPA 1, GluA1, GRIA1, HBGR1, MGC133252) APC
Product Gene Name	anti-GluR1 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3D10
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human GRIA3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	300699
3D Structure	ModBase 3D Structure for P42263
Immunogen	Partial recombinant corresponding to aa151-250 from human GRIA3 (NP_000819) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SLLGHYKWEKFVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRRIIEEMDRRQEKRYLIDCEVERINTILEQVVILGKHSRGYHYMLANL
Conjugate	APC
Product Categories/Family for anti-GluR1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-GluR1 antibody	ELISA (EIA)
Application Notes for anti-GluR1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GluR1 antibody	MBS6136788 is an antibody targeting GluR1. Also known as GluR1 (Glutamate Receptor 1, GluR-1, AMPA-selective Glutamate Receptor 1, GLUH1, GLURA, GluR-A, GluR-K1, Glutamate Receptor Ionotropic AMPA 1, GluA1, GRIA1, HBGR1, MGC133252) APC. Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-GluR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Radioimmunoassay (RIA) of anti-GluR1 antibody
Detection limit for recombinant GST tagged GRIA3 is 3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GluR1. It may not necessarily be applicable to this product.

NCBI GI #	163659858
NCBI GeneID	2892
NCBI Accession #	NP_000819
UniProt Primary Accession #	P42263
UniProt Related Accession #	P42263
GenBank Nucleotide #	NM_000828
NCBI Official Full Name	glutamate receptor 3 isoform 2
NCBI Official Synonym Full Names	glutamate ionotropic receptor AMPA type subunit 3
NCBI Official Symbol	GRIA3
NCBI Official Synonym Symbols	GLUR3; GLURC; GluA3; MRX94; GLUR-C; GLUR-K3
UniProt Protein Name	Glutamate receptor 3
UniProt Synonym Protein Names	AMPA-selective glutamate receptor 3; GluR-C; GluR-K3; Glutamate receptor ionotropic, AMPA 3
UniProt Gene Name	GRIA3
UniProt Synonym Gene Names	GLUR3; GLURC; GluR-3; GluA3
UniProt Entry Name	GRIA3_HUMAN
NCBI Protein Information	glutamate receptor 3
NCBI Summary for GluR1	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties. [provided by RefSeq, Jul 2008]
Research Articles on GluR1	**1.** Genetic variability in GRIA3 may interact with a functional BDNF polymorphism.
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