

Mouse Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2C ELISA Kit | GRIN2C elisa kit

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CATALOG # AAA93772	REACTIVITY Mouse
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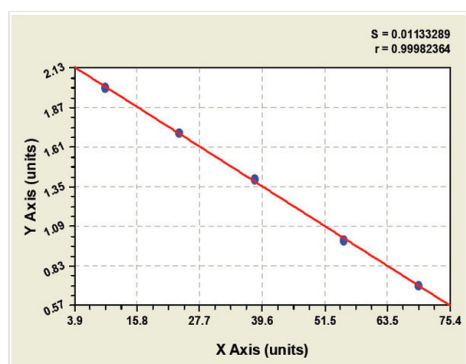
PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; N-Methyl-D-Aspartate 2C; Mouse Glutamate Receptor; N-Methyl-D-Aspartate 2C ELISA Kit; GRIN2C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GRIN2C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GRIN2C. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIN2C elisa kit

Principle of the Assay: GRIN2C ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GRIN2C antibody and an GRIN2C-HRP conjugate. The assay sample and buffer are incubated together with GRIN2C-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GRIN2C concentration since GRIN2C from samples and GRIN2C-HRP conjugate compete for the anti-GRIN2C antibody binding site. Since the number of sites is limited, as more sites are occupied by GRIN2C from the sample, fewer sites are left to bind GRIN2C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRIN2C concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	514388102
NCBI GeneID	2905
NCBI Accession #	NP_001265482.1
NCBI GenBank Nucleotide #	NM_001278553.1
Molecular Weight	134,209 Da
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 2C isoform 2
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate 2C
NCBI Official Symbol	GRIN2C
NCBI Official Synonym Symbols	NR2C; GluN2C; NMDAR2C
NCBI Protein Information	glutamate receptor ionotropic, NMDA 2C; N-methyl D-aspartate receptor subtype 2C; N-methyl-D-aspartate receptor subunit 2C; glutamate [NMDA] receptor subunit epsilon-3
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 2C
UniProt Gene Name	GRIN2C
UniProt Synonym Gene Names	NMDAR2C; GluN2C; NMDAR2C; NR2C
UniProt Entry Name	NMDE3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.