Mouse Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2A ELISA Kit | GRIN2A elisa kit

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CATALOG #	REACTIVITY
AAA93773	**Mouse**

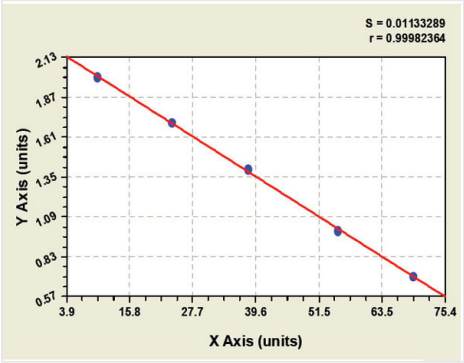
PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; N-Methyl-D-Aspartate 2A; Mouse Glutamate Receptor; N-Methyl-D-Aspartate 2A ELISA Kit; GRIN2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GRIN2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GRIN2A. 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 GRIN2A elisa kit	**Principle of the Assay:** GRIN2A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GRIN2A antibody and an GRIN2A-HRP conjugate. The assay sample and buffer are incubated together with GRIN2A-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 GRIN2A concentration since GRIN2A from samples and GRIN2A-HRP conjugate compete for the anti-GRIN2A antibody binding site. Since the number of sites is limited, as more sites are occupied by GRIN2A from the sample, fewer sites are left to bind GRIN2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRIN2A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GRIN2A elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	197313638
NCBI GeneID	2903
NCBI Accession #	NP_001127880.1
NCBI GenBank Nucleotide #	NM_001134408.2
Molecular Weight	144,431 Da
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 2A isoform 2
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate 2A
NCBI Official Symbol	GRIN2A
NCBI Official Synonym Symbols	LKS; EPND; FESD; NR2A; GluN2A; NMDAR2A
NCBI Protein Information	glutamate receptor ionotropic, NMDA 2A; N-methyl D-aspartate receptor subtype 2A; N-methyl-D-aspartate receptor subunit 2A; N-methyl-D-aspartate receptor channel, subunit epsilon-1
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 2A
UniProt Gene Name	**GRIN2A**
UniProt Synonym Gene Names	NMDAR2A; GluN2A; NMDAR2A; NR2A; hNR2A
UniProt Entry Name	NMDE1_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.

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Online datasheet: https://www.aaabiotech.com/grin2a-mouse-elisa-kits/glutamate-receptor-ionotropic-n-methyl-d-aspartate-2a/93773