

Human Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D) ELISA Kit | GRIN2D elisa kit

Human Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D) ELISA Kit

CATALOG #
AAA140214

REACTIVITY
Human

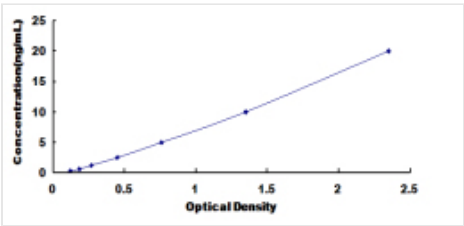
PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; N-Methyl-D-Aspartate 2D (GRIN2D); Human Glutamate Receptor; N-Methyl-D-Aspartate 2D (GRIN2D) ELISA Kit; EB11; NMDAR2D; NR2D; N-Methyl-d-Aspartate Receptor Subunit 2D; Glutamate [NMDA] receptor subunit epsilon-4; GRIN2D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D). No significant cross-reactivity or interference between Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D) and analogues was observed.
Sequence Length	1,336
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.123ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIN2D elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GRIN2D elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	153946391
NCBI GeneID	2906
NCBI Accession #	NP_000827.2
NCBI GenBank Nucleotide #	NM_000836.2
UniProt Accession #	O15399
Molecular Weight	143,752 Da
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 2D
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate 2D
NCBI Official Symbol	GRIN2D
NCBI Official Synonym Symbols	EB11; NR2D; GluN2D; NMDAR2D
NCBI Protein Information	glutamate receptor ionotropic, NMDA 2D
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 2D
UniProt Gene Name	GRIN2D
UniProt Synonym Gene Names	GluN2D; NMDAR2D; GluN2D; NMDAR2D; NR2D
UniProt Entry Name	NMDE4_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.