

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

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CATALOG # AAA65847	REACTIVITY Human
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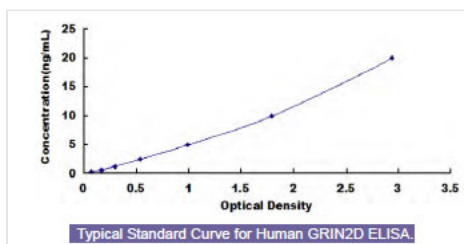
PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; N-Methyl-D-Aspartate 2D (GRIN2D); Human Glutamate Receptor; N-Methyl-D-Aspartate 2D (GRIN2D) ELISA Kit; EXTL; Exostosin-Like 1; Glucuronosyl-N-Acetylglucosaminyl-Proteoglycan 4-Alpha-N-Acetylglucosaminyltran...; GRIN2D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GRIN2D. No significant cross-reactivity or interference between GRIN2D and analogues was observed.
Sequence Length	1336
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.123ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GRIN2D were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GRIN2D were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIN2D elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GRIN2D in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GRIN2D. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 GRIN2D in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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 ionotropic receptor NMDA type subunit 2D
NCBI Official Symbol	GRIN2D
NCBI Official Synonym Symbols	EB11; NR2D; EIEE46; 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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/glutamate-receptor-ionotropic-n-methyl-d-aspartate-2d-grin2d/65847>