

Human glutamate receptor, ionotropic, N-methyl D-aspartate 1 ELISA Kit | GRIN1 elisa kit

Human Glutamate [NMDA] receptor subunit zeta-1, GRIN1 ELISA Kit

CATALOG #
AAA15849

REACTIVITY
Human

PRODUCT SYNONYMS

glutamate receptor; ionotropic; N-methyl D-aspartate 1; Human Glutamate [NMDA] receptor subunit zeta-1; GRIN1 ELISA Kit; Human Glutamate [NMDA] receptor subunit zeta-1 (GRIN1) ELISA kit; NMDA1; NMDAR1; NR1; N-methyl-D-aspartate receptor channel; subunit zeta-1; NMDA receptor 1; glutamate [NMDA] receptor subunit zeta 1; GRIN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GRIN1. No significant cross-reactivity or interference between human GRIN1 and analogues was observed.
Sequence Length	885
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	125 pg/ml-8000 pg/ml
Sensitivity	< 31.25 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIN1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GRIN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GRIN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GRIN1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GRIN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11496971
NCBI GeneID	2902
NCBI Accession #	NP_000823.4
NCBI GenBank Nucleotide #	NM_000832.6
UniProt Accession #	Q05586; P35437; Q12867; Q12868; Q5VSF3; Q5VSF4; Q5VSF5; Q5VSF6; Q5VSF7; A6NLK7; A6NLR1; C9K0X1
Molecular Weight	105,373 Da
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 1 isoform NR1-1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate 1
NCBI Official Symbol	GRIN1
NCBI Official Synonym Symbols	NR1; MRD8; GluN1; NMDA1; NMDAR1
NCBI Protein Information	glutamate receptor ionotropic, NMDA 1; NMD-R1; glutamate [NMDA] receptor subunit zeta 1; glutamate [NMDA] receptor subunit zeta-1; N-methyl-D-aspartate receptor subunit NR1; N-methyl-D-aspartate receptor channel, subunit zeta-1
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 1
UniProt Gene Name	GRIN1
UniProt Synonym Gene Names	NMDAR1; GluN1; NMD-R1
UniProt Entry Name	NMDZ1_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://stage.aaabiotech.com/grin1-human-elisa-kits/glutamate-receptor-ionotropic-n-methyl-d-aspartate-1/15849>