

Human Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2A (GRIN2A) CLIA Kit | GRIN2A clia kit

Human Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2A (GRIN2A) CLIA Kit

CATALOG # AAA150428	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; N-Methyl-D-Aspartate 2A (GRIN2A); Human Glutamate Receptor; N-Methyl-D-Aspartate 2A (GRIN2A) CLIA Kit; NMDAR2A; NR2A; Glutamate [NMDA] receptor subunit epsilon-1; N-methyl D-aspartate receptor subtype 2A; GRIN2A clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GRIN2A. No significant cross-reactivity or interference between GRIN2A and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	6.86-5,000pg/mL
Sensitivity	2.81pg/mL
Applicable Applications for GRIN2A clia kit	CLIA (Chemiluminescence Immunoassay)
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GRIN2A 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 GRIN2A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 GRIN2A clia kit	Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of GRIN2A in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GRIN2A. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GRIN2A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the GRIN2A level in the sample or standard.
Product Categories/Family for GRIN2A clia kit	Neuro science

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504125
NCBI GeneID	2903
NCBI Accession #	NP_000824.1
NCBI GenBank Nucleotide #	NM_000833.4
UniProt Accession #	Q12879; O00669; Q17RZ6
Molecular Weight	165,283 Da
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 2A isoform 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/glutamate-receptor-ionotropic-n-methyl-d-aspartate-2a-grin2a/150428>