

Human Glutamate Receptor, Ionotropic, AMPA 3 (GRIA3) ELISA Kit | GRIA3 elisa kit

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CATALOG #
AAA66012

REACTIVITY
Human

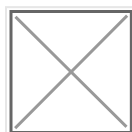
PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; AMPA 3 (GRIA3); Human Glutamate Receptor; AMPA 3 (GRIA3) ELISA Kit; GLUR-K3; GLUR3; GLURC; gluR-C; AMPA-selective glutamate receptor 3; GRIA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GRIA3. No significant cross-reactivity or interference between GRIA3 and analogues was observed.
Sequence Length	894
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.116ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GRIA3 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 GRIA3 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 GRIA3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GRIA3 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 GRIA3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GRIA3. 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 GRIA3, 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 GRIA3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	163659858
NCBI GeneID	2892
NCBI Accession #	NP_000819.3
NCBI GenBank Nucleotide #	NM_000828.4
UniProt Accession #	P42263; Q4VXD5; Q4VXD6; Q9HDA0; Q9HDA1; Q9HDA2; Q9P0H1; D3DTF1
Molecular Weight	101,228 Da
NCBI Official Full Name	glutamate receptor 3 isoform 2
NCBI Official Synonym Full Names	glutamate ionotropic receptor AMPA type subunit 3
NCBI Official Symbol	GRIA3
NCBI Official Synonym Symbols	GLUR3; GLURC; GluA3; MRX94; GLUR-C; GLUR-K3
NCBI Protein Information	glutamate receptor 3
UniProt Protein Name	Glutamate receptor 3
UniProt Gene Name	GRIA3
UniProt Synonym Gene Names	GLUR3; GLURC; GluR-3; GluA3

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/human-elisa-kits/glutamate-receptor-ionotropic-ampa-3-gria3/66012>