

Human Glutamate receptor 2 (GRIA2) ELISA Kit | GRIA2 elisa kit

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CATALOG #
AAA245877

REACTIVITY
Human

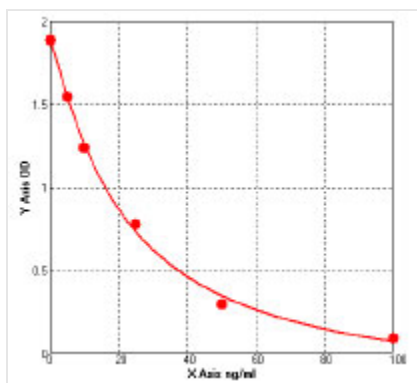
PRODUCT SYNONYMS

Glutamate receptor 2 (GRIA2); Human Glutamate receptor 2 (GRIA2) ELISA Kit; GRIA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GRIA2. No significant cross-reactivity or interference between GRIA2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GRIA2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIA2 elisa kit	Intended Uses: This GRIA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GRIA2. This ELISA kit for research use only! Principle of the Assay: GRIA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GRIA2 antibody and an GRIA2-HRP conjugate. The assay sample and buffer are incubated together with GRIA2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GRIA2 concentration since GRIA2 from samples and GRIA2-HRP conjugate compete for the anti-GRIA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GRIA2 from the sample, fewer sites are left to bind GRIA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRIA2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GRIA2 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	74275354
NCBI GeneID	2891
NCBI Accession #	NP_000817.2
NCBI GenBank Nucleotide #	NM_000826.3
Molecular Weight	100,594 Da
NCBI Official Full Name	glutamate receptor 2 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, AMPA 2
NCBI Official Symbol	GRIA2
NCBI Official Synonym Symbols	GLUR2; GLURB; GluA2; HBGR2; GluR-K2
NCBI Protein Information	glutamate receptor 2; glur-2; glur-B; AMPA-selective glutamate receptor 2
UniProt Protein Name	Glutamate receptor 2
UniProt Gene Name	GRIA2
UniProt Synonym Gene Names	GLUR2; GluR-2; GluA2
UniProt Entry Name	GRIA2_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/human-elisa-kits/glutamate-receptor-2-gria2/245877>