

Human Glutamate receptor 1 (GRIA1) ELISA Kit | GRIA1 elisa kit

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CATALOG #
AAA87990

REACTIVITY
Human

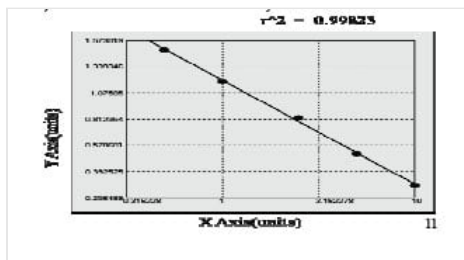
PRODUCT SYNONYMS

Glutamate receptor 1 (GRIA1); Human Glutamate receptor 1 (GRIA1) ELISA Kit; GRIA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GaA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GaA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIA1 elisa kit

Principle of the assay: GaA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GaA antibody and an GaA-HRP conjugate. The assay sample and buffer are incubated together with GaA-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 GaA concentration since GaA from samples and GaA-HRP conjugate compete for the anti-GaA antibody binding site. Since the number of sites is limited, as more sites are occupied by GaA from the sample, fewer sites are left to bind GaA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GaA concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GRIA1 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	167001419
NCBI GeneID	2890
NCBI Accession #	NP_000818.2
NCBI GenBank Nucleotide #	NM_000827.3
Molecular Weight	102,864 Da
NCBI Official Full Name	glutamate receptor 1 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, AMPA 1
NCBI Official Symbol	GRIA1
NCBI Official Synonym Symbols	GLUH1; GLUR1; GLURA; GluA1; HBGR1
NCBI Protein Information	glutamate receptor 1; AMPA 1; gluR-1; gluR-A; gluR-K1; AMPA-selective glutamate receptor 1
UniProt Protein Name	Glutamate receptor 1
UniProt Gene Name	GRIA1
UniProt Synonym Gene Names	GLUH1; GLUR1; GluR-1; GluA1
UniProt Entry Name	GRIA1_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-1-gria1/87990>