

Human Glutamate receptor 4 (GRIA4) ELISA Kit | GRIA4 elisa kit

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CATALOG #
AAA246285

REACTIVITY
Human

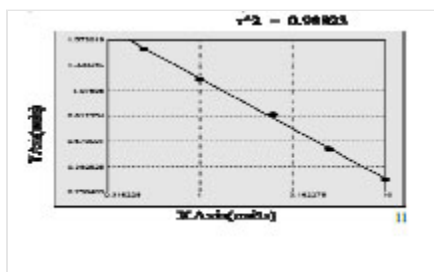
PRODUCT SYNONYMS

Glutamate receptor 4 (GRIA4); Human Glutamate receptor 4 (GRIA4) ELISA Kit; GRIA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIA4 elisa kit

Intended Uses: This GRIA4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GRIA4. This ELISA kit for research use only!

Principle of the Assay||GRIA4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GRIA4 antibody and an GRIA4-HRP conjugate. The assay sample and buffer are incubated together with GRIA4-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 GRIA4 concentration since GRIA4 from samples and GRIA4-HRP conjugate compete for the anti-GRIA4 antibody binding site. Since the number of sites is limited, as more sites are occupied by GRIA4 from the sample, fewer sites are left to bind GRIA4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRIA4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GRIA4 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	164419734
NCBI GeneID	2893
NCBI Accession #	NP_000820.3
NCBI GenBank Nucleotide #	NM_000829.3
Molecular Weight	49,146 Da
NCBI Official Full Name	glutamate receptor 4 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, AMPA 4
NCBI Official Symbol	GRIA4
NCBI Official Synonym Symbols	GLUR4; GLURD; GluA4; GLUR4C
NCBI Protein Information	glutamate receptor 4; gluR-4; gluR-D; AMPA-selective glutamate receptor 4; glutamate receptor, ionotropic, AMPA 4
UniProt Protein Name	Glutamate receptor 4
UniProt Gene Name	GRIA4
UniProt Synonym Gene Names	GLUR4; GluR-4; GluR4; GluA4
UniProt Entry Name	GRIA4_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://www.aaabiotech.com/human-elisa-kits/glutamate-receptor-4-gria4/246285>