

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

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CATALOG #
AAA244548

REACTIVITY
Rat

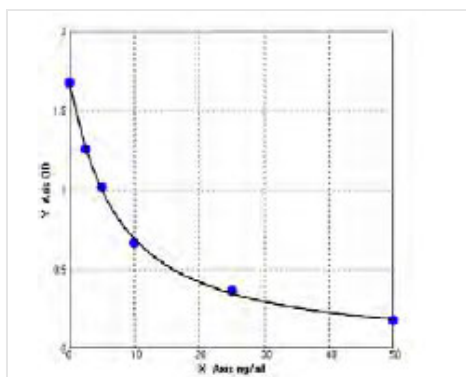
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive or Sandwich
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 GRIA4 elisa kit

Intended Uses: This Gremlin 1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Gremlin 1. This ELISA kit for research use only!

Principle of the Assay: Gremlin 1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Gremlin 1 antibody and an Gremlin 1-HRP conjugate. The assay sample and buffer are incubated together with Gremlin 1-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 Gremlin 1 concentration since Gremlin 1 from samples and Gremlin 1-HRP conjugate compete for the anti-Gremlin 1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Gremlin 1 from the sample, fewer sites are left to bind Gremlin 1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Gremlin 1 concentration in each sample is interpolated from this standard curve.

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.