

Human Glutamate Receptor, Ionotropic, Delta 2 ELISA Kit | GRID2 elisa kit

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CATALOG #
AAA94991

REACTIVITY
Human

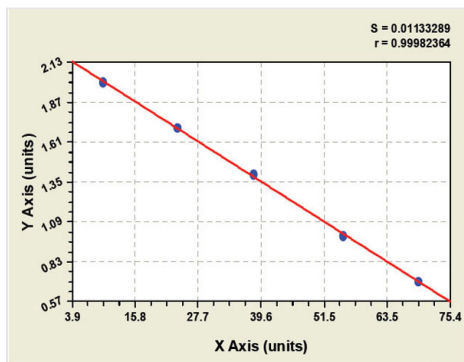
PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; Delta 2; Human Glutamate Receptor; Delta 2 ELISA Kit; GRID2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRID2 elisa kit

Intended Uses: This GRID2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GRID2. This ELISA kit for research use only!

Principle of the Assay: GRID2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GRID2 antibody and an GRID2-HRP conjugate. The assay sample and buffer are incubated together with GRID2-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 GRID2 concentration since GRID2 from samples and GRID2-HRP conjugate compete for the anti-GRID2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GRID2 from the sample, fewer sites are left to bind GRID2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRID2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157384977
NCBI GeneID	2895
NCBI Accession #	NP_001501.2
NCBI GenBank Nucleotide #	NM_001510.3
Molecular Weight	102,822 Da
NCBI Official Full Name	glutamate receptor ionotropic, delta-2 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, delta 2
NCBI Official Symbol	GRID2
NCBI Official Synonym Symbols	GluD2
NCBI Protein Information	glutamate receptor ionotropic, delta-2; gluR delta-2 subunit; glutamate receptor delta-2 subunit
UniProt Protein Name	Glutamate receptor ionotropic, delta-2
UniProt Gene Name	GRID2
UniProt Synonym Gene Names	GLURD2; GluD2; GluR delta-2 subunit
UniProt Entry Name	GRID2_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/grid2-human-elisa-kits/glutamate-receptor-ionotropic-delta-2/94991>