

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

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CATALOG #
AAA94544

REACTIVITY
Canine

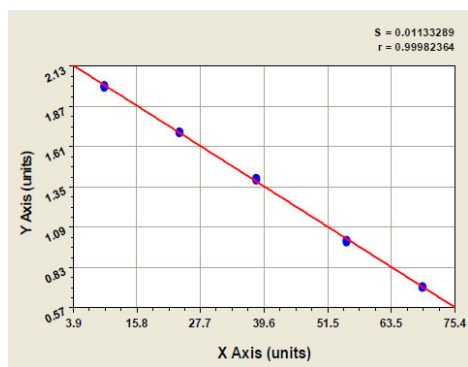
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This GRID2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GRID2. 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 GRID2 elisa kit

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.

Product Categories/Family for GRID2 elisa kit

Signal Transduction

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-canine-elisa-kits/glutamate-receptor-ionotropic-delta-2/94544>