

Mouse Glutamate Receptor, Ionotropic, AMPA 2 (GRIA2) ELISA Kit | GRIA2 elisa kit

Mouse Glutamate Receptor, Ionotropic, AMPA 2 (GRIA2) ELISA Kit

CATALOG #
AAA186687

REACTIVITY
Mouse

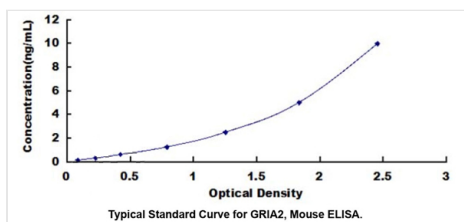
PRODUCT SYNONYMS

Glutamate Receptor; Ionotropic; AMPA 2 (GRIA2); Mouse Glutamate Receptor; AMPA 2 (GRIA2) ELISA Kit; GLUR2; GLURB; HBGR2; GluR-K2; AMPA-selective glutamate receptor 2; GRIA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GRIA2. No significant cross-reactivity or interference between GRIA2 and analogues was observed.
Sequence Length	836
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GRIA2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GRIA2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIA2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GRIA2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GRIA2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GRIA2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GRIA2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GRIA2 in mouse tissue homogenates, cell lysates and other biological fluids.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	119625275
NCBI GeneID	2891
UniProt Accession #	P42262; Q96FP6; A8MT92; I6L997
Molecular Weight	93,775 Da
NCBI Official Full Name	glutamate receptor, ionotropic, AMPA 2, isoform CRA_f
NCBI Official Synonym Full Names	glutamate ionotropic receptor AMPA type subunit 2
NCBI Official Symbol	GRIA2
NCBI Official Synonym Symbols	GLUR2; GLURB; GluA2; HBGR2; GluR-K2
NCBI Protein Information	glutamate receptor 2
UniProt Protein Name	Glutamate receptor 2
UniProt Gene Name	GRIA2
UniProt Synonym Gene Names	GLUR2; GluR-2; GluA2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/glutamate-receptor-ionotropic-ampa-2-gria2/186687>