

Rat Glycine Receptor Alpha 2 (GLRa2) ELISA Kit | GLRa2 elisa kit

Rat Glycine Receptor Alpha 2 (GLRa2) ELISA Kit

CATALOG #
AAA186708

REACTIVITY
Rat

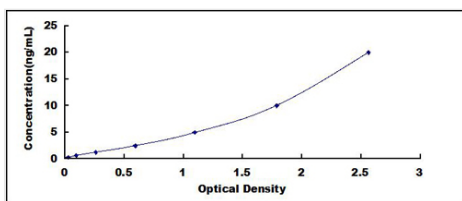
PRODUCT SYNONYMS

Glycine Receptor Alpha 2 (GLRa2); Rat Glycine Receptor Alpha 2 (GLRa2) ELISA Kit; GLR; GLRa2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Glycine Receptor Alpha 2 (GLRa2). No significant cross-reactivity or interference between Glycine Receptor Alpha 2 (GLRa2) and analogues was observed.
Sequence Length	363
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.115ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glycine Receptor Alpha 2 (GLRa2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glycine Receptor Alpha 2 (GLRa2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 GLRa2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glycine Receptor Alpha 2 (GLRa2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glycine Receptor Alpha 2 (GLRa2). 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 Glycine Receptor Alpha 2 (GLRa2), 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 Glycine Receptor Alpha 2 (GLRa2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1684900
NCBI GeneID	2742
UniProt Accession #	P23416; Q53YX7; Q6ICQ0; Q99862; A8K0J6; B2R6I8; B7Z4F5; J3KQ59
Molecular Weight	42,002 Da
NCBI Official Full Name	glycine receptor alpha 2 subunit, partial
NCBI Official Synonym Full Names	glycine receptor alpha 2
NCBI Official Symbol	GLRA2
NCBI Official Synonym Symbols	GLR
NCBI Protein Information	glycine receptor subunit alpha-2
UniProt Protein Name	Glycine receptor subunit alpha-2
UniProt Gene Name	GLRA2

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://www.aaabiotech.com/rat-elisa-kits/glycine-receptor-alpha-2-glra2/186708>