

Rat GAD2 ELISA Kit | GAD 2 elisa kit

Rat GAD2 (Glutamate Decarboxylase 2, Acid) ELISA Kit

CATALOG #
AAA165487

REACTIVITY
Rat

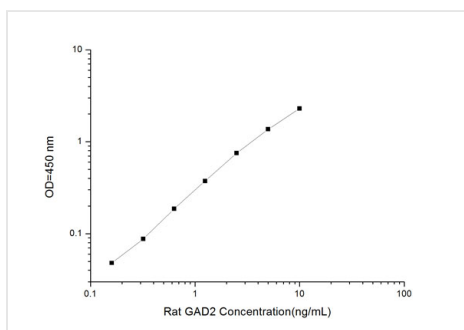
PRODUCT SYNONYMS

GAD2; Rat GAD2 (Glutamate Decarboxylase 2; Acid) ELISA Kit; GAD 2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat GAD2 in samples. No significant cross-reactivity or interference between Rat GAD2 and analogues was observed.
Sequence Length	585
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat GAD2 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat GAD2 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAD 2 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat GAD2 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat GAD2. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat GAD2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat GAD2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat GAD2. You can calculate the concentration of Rat GAD2 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	197276620
NCBI GeneID	2572
NCBI Accession #	NP_001127838.1
NCBI GenBank Nucleotide #	NM_001134366.1
UniProt Accession #	Q05329; Q9UD87
Molecular Weight	65,411 Da
NCBI Official Full Name	glutamate decarboxylase 2
NCBI Official Synonym Full Names	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)
NCBI Official Symbol	GAD2
NCBI Official Synonym Symbols	GAD65
NCBI Protein Information	glutamate decarboxylase 2; 65 kDa glutamic acid decarboxylase; GAD-65; Glutamate decarboxylase-2 (pancreas); glutamate decarboxylase 65 kDa isoform
UniProt Protein Name	Glutamate decarboxylase 2
UniProt Gene Name	GAD2
UniProt Synonym Gene Names	GAD65; GAD-65
UniProt Entry Name	DCE2_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://www.aaabiotech.com/gad-2-rat-elisa-kits/gad2/165487>