

Mouse Anti-Glutamic Acid Decarboxylase Antibodies ELISA Kit | GAD elisa kit

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CATALOG #
AAA84315

REACTIVITY
Mouse

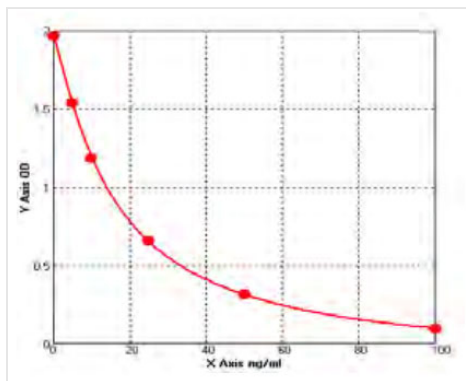
PRODUCT SYNONYMS

Anti-Glutamic Acid Decarboxylase Antibodies; Mouse Anti-Glutamic Acid Decarboxylase Antibodies ELISA Kit; GAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GADAb. No significant cross-reactivity or interference between GADAb and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GADAb and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAD elisa kit	Principle of the Assay: GADAb ELISA kit applies the competitive enzyme immunoassay technique utilizing Glutamic Acid Decarboxylase antigen and an GADAb-HRP conjugate. The assay sample and buffer are incubated together with GADAb-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 GADAb concentration since GADAb from samples and GADAb-HRP conjugate compete for the Glutamic Acid Decarboxylase antigen binding site. Since the number of sites is limited, as more sites are occupied by GADAb from the sample, fewer sites are left to bind GADAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GADAb concentration in each sample is interpolated from this standard curve. Intended Uses: This GADAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GADAb. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GAD elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	1247492
NCBI GeneID	2571
Molecular Weight	47,440 Da
NCBI Official Full Name	GAD
NCBI Official Synonym Full Names	glutamate decarboxylase 1 (brain, 67kDa)
NCBI Official Symbol	GAD1
NCBI Official Synonym Symbols	GAD; SCP; CPSQ1
NCBI Protein Information	glutamate decarboxylase 1; GAD-67; 67 kDa glutamic acid decarboxylase; glutamate decarboxylase 67 kDa isoform
UniProt Protein Name	Glutamate decarboxylase 1
UniProt Gene Name	GAD1
UniProt Synonym Gene Names	GAD; GAD67; GAD-67
UniProt Entry Name	DCE1_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/gad-mouse-elisa-kits/anti-glutamic-acid-decarboxylase-antibodies/84315>