

Human Glutamic Acid Decarboxylase (GAD) ELISA Kit | GAD elisa kit

Human Anti-Glutamic Acid Decarboxylase Antibody (Anti-GAD) ELISA Kit

CATALOG # AAA23098	REACTIVITY Human	APPLICATIONS ELISA
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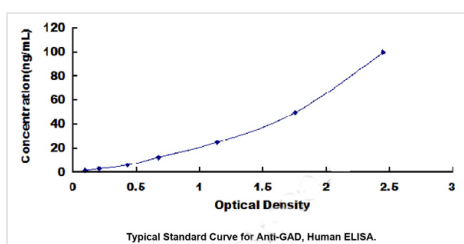
PRODUCT SYNONYMS

Glutamic Acid Decarboxylase (GAD); Human Anti-Glutamic Acid Decarboxylase Antibody (Anti-GAD) ELISA Kit; Glutamic Acid Decarboxylase; Glutamate Decarboxylase; GAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-GAD. No significant cross-reactivity or interference between Anti-GAD and analogues was observed.
Sequence Length	180
Samples	Human serum, plasma and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.54ng/mL
Applicable Applications for GAD elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-GAD 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 Anti-GAD 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 GAD elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with GAD. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-GAD 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 Anti-GAD in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-GAD in human serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	182942
NCBI Official Full Name	glutamic acid decarboxylase, partial

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/human-elisa-kits/glutamic-acid-decarboxylase-gad/23098>