

Mouse glutamic acid decarboxylase (GAD) autoantibody (IgM) ELISA Kit | GAD elisa kit

Mouse glutamic acid decarboxylase (GAD) autoantibody, IgM ELISA Kit

CATALOG #
AAA80280

REACTIVITY
Mouse

PRODUCT SYNONYMS

glutamic acid decarboxylase (GAD) autoantibody (IgM); Mouse glutamic acid decarboxylase (GAD) autoantibody; IgM ELISA Kit; Mouse glutamic acid decarboxylase autoantibody IgM; GAD-Ab-IgM ELISA Kit; GAD-Ab-IgM; GAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse GAD autoantibody(IgM). No significant cross-reactivity or interference between mouse GAD autoantibody(IgM) and analogues was observed.
Sequence Length	180
Samples	Serum
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES

TYPICAL DATA		
Test parameter	specification	test result
Positive control	>0.800	1.054
Negative control	<0.200	0.115
Positive rate	10. Positive	100%
Negative rate	10. Negative	100%

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAD elisa kit

Principle of the assay: This assay employs the qualitative enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with antigen. Samples are pipetted into the wells with anti-mouse IgM conjugated Horseradish Peroxidase (HRP). Any antibodies specific for the antigen present will bind to the pre-coated antigen. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of mouse GAD autoantibody(IgM) bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	182942
UniProt Accession #	Q05329; Q9UD87

Molecular Weight	65,411 Da
NCBI Official Full Name	glutamic acid decarboxylase, partial
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://stage.aaabiotech.com/mouse-elisa-kits/glutamic-acid-decarboxylase-gad-autoantibody-igm/80280>