

Mouse Insulin Autoantibody (IAA) ELISA Kit | IAA elisa kit

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CATALOG # AAA150356	REACTIVITY Mouse	APPLICATIONS ELISA
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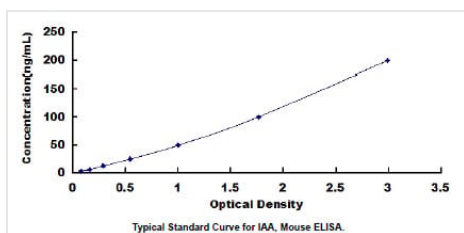
PRODUCT SYNONYMS

Insulin Autoantibody (IAA); Mouse Insulin Autoantibody (IAA) ELISA Kit; Anti-Insulin Antibody; Antiinsulin; Insulin Antibodies; IAA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IAA. No significant cross-reactivity or interference between IAA and analogues was observed.
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.18ng/mL
Applicable Applications for IAA elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IAA 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 IAA 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 IAA elisa kit	Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of IAA in mouse serum, plasma, tissue homogenatesand other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with IAA. 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 IAA 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 IAA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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/insulin-autoantibody-iaa/150356>