

Human Insulin Autoantibody ELISA Kit | IAA elisa kit

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CATALOG #
AAA16503

REACTIVITY
Human

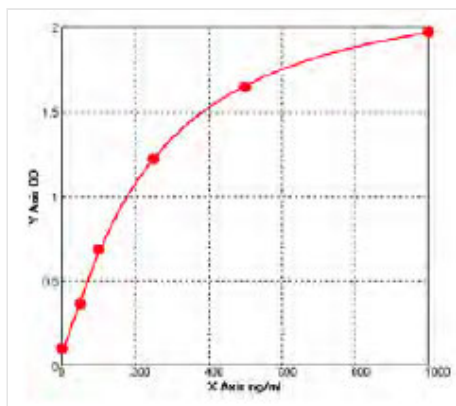
PRODUCT SYNONYMS

Insulin Autoantibody; Human Insulin Autoantibody ELISA Kit; IAA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IAA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intra-assay Precision	To determine within-run precision, three different samples of known concentration were assayed by using 20 replicates in 1 assay
Inter-assay Precision	To determine between-run precision, three different samples of known concentration were assayed by using replicates on 20 different assays.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IAA elisa kit	Principle of the Assay: IAA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a specific antigen. Standards or samples are then added to the microtiter plate wells and IAA if present, will bind to the specific antigen pre-coated wells. In order to quantitatively determine the amount of IAA present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated IAA is added to each well to "sandwich" the IAA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain IAA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IAA concentration in each sample is interpolated from this standard curve. Intended Uses: This IAA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IAA. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for IAA elisa kit	Immunology

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/iaa-human-elisa-kits/insulin-autoantibody/16503>