

Human Islet cell antibody ELISA Kit | ICA elisa kit

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CATALOG #
AAA85685

REACTIVITY
Human

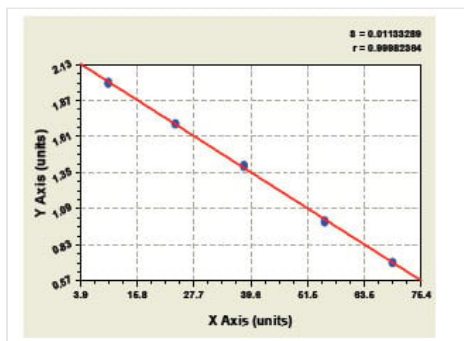
PRODUCT SYNONYMS

Islet cell antibody; Human Islet cell antibody ELISA Kit; ICA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000 pg/mL
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICA elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This ICA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ICA. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY ICA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ICA antibody and an ICA-HRP conjugate. The assay sample and buffer are incubated together with ICA-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 ICA concentration since ICA from samples and ICA-HRP conjugate compete for the anti-ICA antibody binding site. Since the number of sites is limited, as more sites are occupied by ICA from the sample, fewer sites are left to bind ICA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ICA concentration in each sample is interpolated from this 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/ica-human-elisa-kits/islet-cell-antibody/85685>