

Human Insulin ELISA Kit | INS elisa kit

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CATALOG #
AAA87561

REACTIVITY
Human

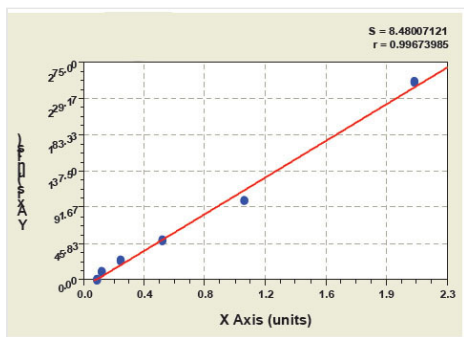
PRODUCT SYNONYMS

Insulin; Human Insulin ELISA Kit; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	2.5-50mIU/mL
Sensitivity	1.0mIU/mL
Intended Uses	This INS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human INS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit

Principle of the Assay: INS ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for INS. Standards or samples are then added to the microtiter plate wells and INS if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of INS present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for INS are added to each well to "sandwich" the INS 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 INS 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 INS concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386828
NCBI GeneID	3630
Molecular Weight	21,537 Da
NCBI Official Full Name	insulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin; proinsulin; preproinsulin; insulin-dependent diabetes mellitus 2
UniProt Protein Name	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_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/ins-human-elisa-kits/insulin/87561>