

Porcine Insulin ELISA Kit | INS elisa kit

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CATALOG #
AAA16879

REACTIVITY
Porcine

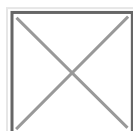
PRODUCT SYNONYMS

Insulin; Porcine Insulin ELISA Kit; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of INS. No significant cross-reactivity or interference between INS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between INS and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pmol/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit

Intended Uses: This INS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine INS. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: INS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-INS antibody and an INS-HRP conjugate. The assay sample and buffer are incubated together with INS-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 INS concentration since INS from samples and INS-HRP conjugate compete for the anti-INS antibody binding site. Since the number of sites is limited, as more sites are occupied by INS from the sample, fewer sites are left to bind INS-HRP conjugate. 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-porcine-elisa-kits/insulin/16879>