

Rat Proinsulin ELISA Kit | PINS elisa kit

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CATALOG #
AAA88983

REACTIVITY
Rat

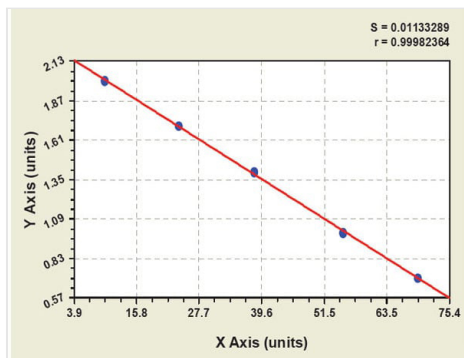
PRODUCT SYNONYMS

Proinsulin; Rat Proinsulin ELISA Kit; PINS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100pmol/L
Sensitivity	1.0pmol/L
Intended Uses	This PINS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PINS. 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 PINS elisa kit

Principle of the assay: PINS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PINS antibody and an PINS-HRP conjugate. The assay sample and buffer are incubated together with PINS-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 PINS concentration since PINS from samples and PINS-HRP conjugate compete for the anti-PINS antibody binding site. Since the number of sites is limited, as more sites are occupied by PINS from the sample, fewer sites are left to bind PINS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PINS concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	59036749
NCBI GeneID	3630
Molecular Weight	21,537 Da
NCBI Official Full Name	proinsulin
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/pins-rat-elisa-kits/proinsulin/88983>