

Human Proinsulin ELISA Kit | PINS elisa kit

Human Proinsulin ELISA Kit

CATALOG #
AAA83126

REACTIVITY
Human

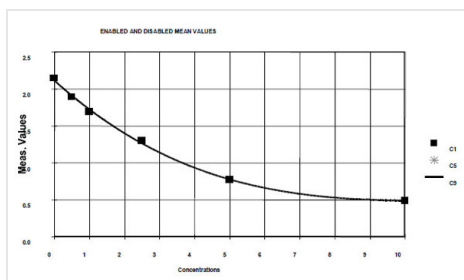
PRODUCT SYNONYMS

Proinsulin; Human Proinsulin ELISA Kit; Proinsulin (Human); PINS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PINS elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This PINS ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PINS in the sample, this PINS ELISA Kit inPINSdes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PINS concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of PINS utilizes 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. Standards of known PINS concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of PINS. The PINS concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PINS elisa kit	Human ELISA Kit
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22651501
NCBI Official Full Name	Pins

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-human-elisa-kits/proinsulin/83126>