

Mouse Proinsulin ELISA Kit | PL elisa kit

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CATALOG #
AAA87175

REACTIVITY
Mouse

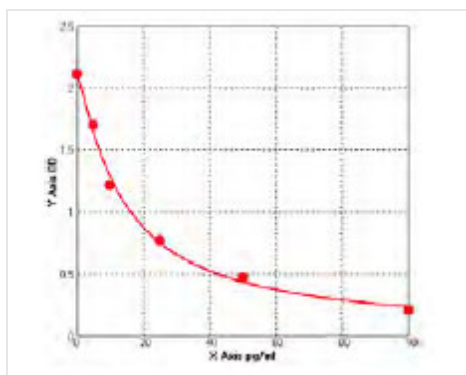
PRODUCT SYNONYMS

Proinsulin; Mouse Proinsulin ELISA Kit; Proinsulin (Mouse); PL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
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 PL elisa kit

Intended Uses: This PINP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PINP. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	59036749
NCBI GeneID	3630
UniProt Accession #	P01308; Q5EEX2
Molecular Weight	11,981 Da
NCBI Official Full Name	proinsulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	ILPR; IRDN; IDDM2; MODY10
NCBI Protein Information	insulin; proinsulin; OTTHUMP00000011161; OTTHUMP00000011162; OTTHUMP00000196036; OTTHUMP00000196038; OTTHUMP00000217519
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.