

Human Islet amyloid polypeptide ELISA Kit | IAPP elisa kit

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CATALOG #
AAA83381

REACTIVITY
Human

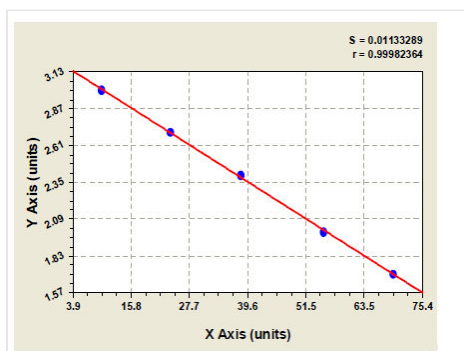
PRODUCT SYNONYMS

Islet amyloid polypeptide; Human Islet amyloid polypeptide ELISA Kit; IAPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IAPP elisa kit

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557655
NCBI GeneID	3375
NCBI Accession #	NP_000406.1
NCBI GenBank Nucleotide #	NM_000415.2
Molecular Weight	9,806 Da
NCBI Official Full Name	islet amyloid polypeptide
NCBI Official Synonym Full Names	islet amyloid polypeptide
NCBI Official Symbol	IAPP
NCBI Official Synonym Symbols	DAP; IAP
NCBI Protein Information	islet amyloid polypeptide; amylin; insulinoma amyloid peptide; diabetes-associated peptide; Islet amyloid polypeptide (diabetes-associated peptide; amylin)
UniProt Protein Name	Islet amyloid polypeptide
UniProt Gene Name	IAPP
UniProt Synonym Gene Names	DAP
UniProt Entry Name	IAPP_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/iapp-human-elisa-kits/islet-amyloid-polypeptide/83381>