

Human IAPP ELISA Kit | IAPP elisa kit

Human IAPP (Islet Amyloid Polypeptide) ELISA Kit

CATALOG #
AAA165554

REACTIVITY
Human

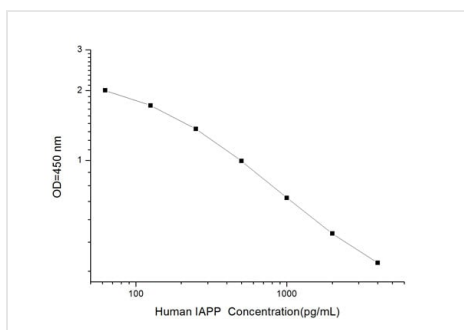
PRODUCT SYNONYMS

IAPP; Human IAPP (Islet Amyloid Polypeptide) ELISA Kit; IAPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human IAPP in samples. No significant cross-reactivity or interference between Human IAPP and analogues was observed.
Sequence Length	89
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	62.5-4000pg/mL
Sensitivity	37.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human IAPP were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human IAPP were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IAPP elisa kit	Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Human IAPP. During the reaction, Human IAPP in the sample or standard competes with a fixed amount of Human IAPP on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human IAPP. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of Human IAPP in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human IAPP concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557655
NCBI GeneID	3375
NCBI Accession #	NP_000406.1
NCBI GenBank Nucleotide #	NM_000415.2
UniProt Accession #	P10997; Q0ZD87; Q14598
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; Islet amyloid polypeptide (diabetes-associated peptide; amylin); insulinoma amyloid peptide
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.