

Mouse islet amyloid polypeptide ELISA Kit | IAPP elisa kit

Mouse Amylin ELISA Kit

CATALOG #
AAA80543

REACTIVITY
Mouse

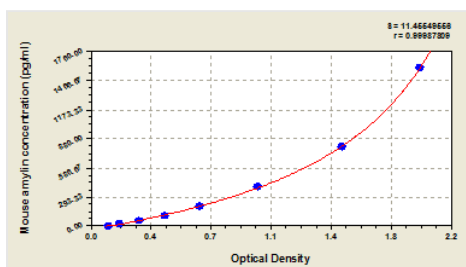
PRODUCT SYNONYMS

islet amyloid polypeptide; Mouse Amylin ELISA Kit; AMYLIN; DAP; IAP; Islet amyloid polypeptide (diabetes-associated peptide; amylin) ; IAPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse amylin. No significant cross-reactivity or interference between mouse amylin and analogues was observed.
Sequence Length	93
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	25 pg/ml-1600 pg/ml.
Sensitivity	The minimum detectable dose of mouse amylin is typically less than 6.25 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IAPP elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for amylin has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any amylin present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for amylin is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of amylin bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6754272
NCBI GeneID	15874
NCBI Accession #	NP_034621.1
NCBI GenBank Nucleotide #	NM_010491.2
UniProt Accession #	P12968
Molecular Weight	10,022 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
NCBI Protein Information	islet amyloid polypeptide; amylin; diabetes-associated peptide
UniProt Protein Name	Islet amyloid polypeptide
UniProt Gene Name	IAPP
UniProt Synonym Gene Names	DAP
UniProt Entry Name	IAPP_MOUSE

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-mouse-elisa-kits/islet-amyloid-polypeptide/80543>