

Mouse Amylin ELISA Kit | Amylin elisa kit

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CATALOG #
AAA85299

REACTIVITY
Mouse

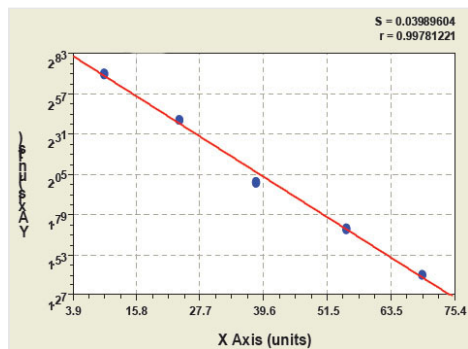
PRODUCT SYNONYMS

Amylin; Mouse Amylin ELISA Kit; Amylin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This Amylin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Amylin. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Amylin elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	457131
NCBI GeneID	3375
Molecular Weight	9,806 Da
NCBI Official Full Name	amylin, partial
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.