

Human Amylin ELISA Kit | Amylin elisa kit

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CATALOG #
AAA16035

REACTIVITY
Human

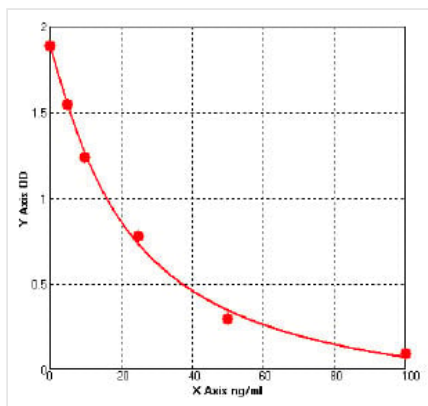
PRODUCT SYNONYMS

Amylin; Human Amylin ELISA Kit; Amylin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AMY. No significant cross-reactivity or interference between AMY and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AMY and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This Amy ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Amy. 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: AMY ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AMY antibody and an AMY-HRP conjugate. The assay sample and buffer are incubated together with AMY-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 AMY concentration since AMY from samples and AMY-HRP conjugate compete for the anti-AMY antibody binding site. Since the number of sites is limited, as more sites are occupied by AMY from the sample, fewer sites are left to bind AMY-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AMY concentration in each sample is interpolated from this standard curve. Intended Uses: This AMY ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AMY. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Amylin elisa kit	Signal Transduction

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/amylin/16035>