

Mouse Pancreatic Polypeptide (PP) ELISA Kit | PP elisa kit

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CATALOG #
AAA137060

REACTIVITY
Mouse

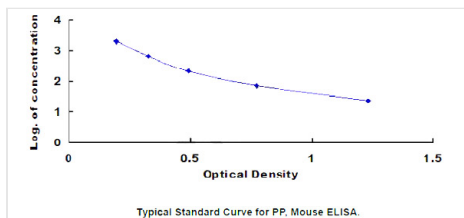
PRODUCT SYNONYMS

Pancreatic Polypeptide (PP); Mouse Pancreatic Polypeptide (PP) ELISA Kit; PPY; PNP; Pancreatic Polypeptide Y; Obinepitide; Pancreatic icosapeptide; Pancreatic prohormone; PP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PP. No significant cross-reactivity or interference between PP and analogues was observed.
Sequence Length	95
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	24.69-2,000pg/mL
Sensitivity	9.16pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PP elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to PP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled PP and unlabeled PP (Standards or samples) with the pre-coated antibody specific to PP. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of PP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of PP in the sample.
Product Categories/Family for PP elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119572034
NCBI GeneID	5539
UniProt Accession #	P01298
Molecular Weight	10,445 Da
NCBI Official Full Name	pancreatic polypeptide
NCBI Official Synonym Full Names	pancreatic polypeptide
NCBI Official Symbol	PPY
NCBI Official Synonym Symbols	PNP
NCBI Protein Information	pancreatic prohormone
UniProt Protein Name	Pancreatic prohormone
UniProt Gene Name	PPY
UniProt Synonym Gene Names	PNP; PP; PH; PI
UniProt Entry Name	PAHO_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/mouse-elisa-kits/pancreatic-polypeptide-pp/137060>