

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

Human Pancreatic Polypeptide (PP) ELISA Kit

CATALOG #
AAA67987

REACTIVITY
Human

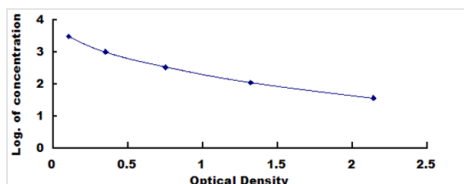
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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	178
Samples	Human serum, plasma or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	46.8-3000pg/mL
Sensitivity	<13.3pg/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PP elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of PP in human serum, plasma or other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal 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.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506033
NCBI GeneID	5539
NCBI Accession #	NP_002713.1
NCBI GenBank Nucleotide #	NM_002722.4
UniProt Accession #	P01298
Molecular Weight	18,786 Da
NCBI Official Full Name	pancreatic prohormone isoform 1 preproprotein
NCBI Official Synonym Full Names	pancreatic polypeptide
NCBI Official Symbol	PPY
NCBI Official Synonym Symbols	PP; PNP
NCBI Protein Information	pancreatic prohormone
UniProt Protein Name	Pancreatic prohormone
UniProt Gene Name	PPY
UniProt Synonym Gene Names	PNP; PP; PH; PI

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.