

Rat Pancreatic Polypeptide ELISA Kit | PP elisa kit

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CATALOG #
AAA85678

REACTIVITY
Rat

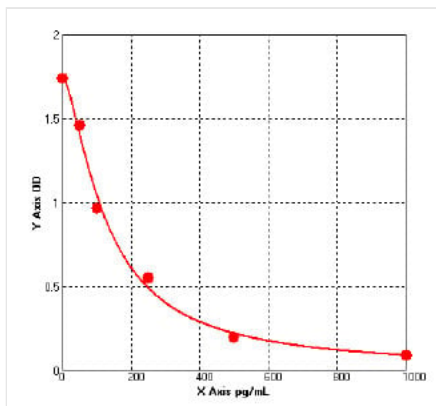
PRODUCT SYNONYMS

Pancreatic Polypeptide; Rat Pancreatic Polypeptide ELISA Kit; PP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PP elisa kit	Intended Uses: This PP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PP antibody and an PP-HRP conjugate. The assay sample and buffer are incubated together with PP-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 PP concentration since PP from samples and PP-HRP conjugate compete for the anti-PP antibody binding site. Since the number of sites is limited, as more sites are occupied by PP from the sample, fewer sites are left to bind PP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PP elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119572034
NCBI GeneID	5539
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; PP; pancreatic polypeptide Y; prepro-PP (prepropancreatic polypeptide)
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/pp-rat-elisa-kits/pancreatic-polypeptide/85678>