

Human Peptide YY (PYY) ELISA Kit | PYY elisa kit

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CATALOG #
AAA331196

REACTIVITY
Human

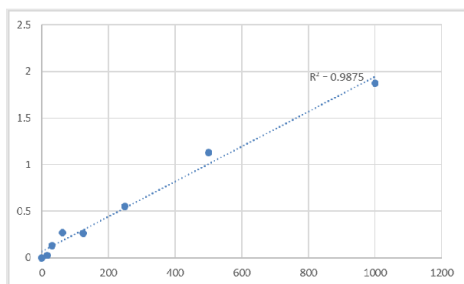
PRODUCT SYNONYMS

Peptide YY (PYY); Human Peptide YY (PYY) ELISA Kit; PYY; PYY1; PYY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peptide YY (PYY) ELISA Kit has high sensitivity and excellent specificity for detection of Human PYY. No significant cross-reactivity or interference between Human PYY and analogues was observed.
Sequence Length	97
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Peptide YY (PYY) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PYY elisa kit	Description: This Human Peptide YY (PYY) ELISA Kit employs a two-site sandwich ELISA to quantitate PYY in samples. An antibody specific for PYY has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PYY present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYY is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PYY bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Peptide YY is a short (36 amino acid) protein released by cells in the ileum and colon in response to feeding. It is also known as PYY, Peptide Tyrosine Tyrosine, or Pancreatic Peptide YY3-36. Peptide YY is related to the pancreatic peptide family by having 18 of its 36 amino acids located in the same positions as pancreatic peptide. There are two major forms of Peptide YY: PYY1-36 and PYY3-36 which have PP fold structural motif. However, the most common form of circulating PYY immunoreactivity is PYY3-36 which binds to Y2 receptor (Y2R) of Y family receptors. Peptide YY3-36 (PYY) is a linear polypeptide consisting of 36 amino acids with structural homology to NPY and pancreatic polypeptide.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	300068956
NCBI GeneID	5697
NCBI Accession #	NP_004151.3
NCBI GenBank Nucleotide #	NP_004151.3
UniProt Accession #	P10082
NCBI Official Full Name	peptide YY preproprotein
NCBI Official Synonym Full Names	peptide YY
NCBI Official Symbol	PYY
NCBI Official Synonym Symbols	PYY1; PYY-I
NCBI Protein Information	peptide YY
UniProt Protein Name	Peptide YY
UniProt Gene Name	PYY
UniProt Synonym Gene Names	PYY
UniProt Entry Name	PYY_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.