

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

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CATALOG #
AAA65960

REACTIVITY
Mouse

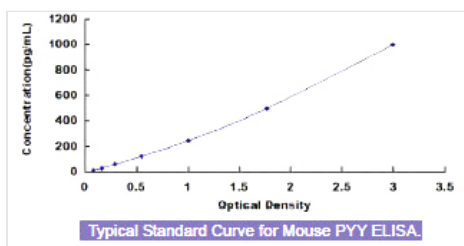
PRODUCT SYNONYMS

Peptide YY (PYY); Mouse Peptide YY (PYY) ELISA Kit; PYY1; Peptide tyrosine tyrosine; PYY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PYY. No significant cross-reactivity or interference between PYY and analogues was observed.
Sequence Length	98
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	4.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PYY 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 PYY 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 PYY elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PYY in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PYY. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PYY. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PYY, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PYY in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21703868
NCBI GeneID	217212
NCBI Accession #	NP_663410.1
NCBI GenBank Nucleotide #	NM_145435.1
UniProt Accession #	Q9EPS2; Q91XD0
Molecular Weight	11,064 Da
NCBI Official Full Name	peptide YY isoform 1
NCBI Official Synonym Full Names	peptide YY
NCBI Official Symbol	Pyy
NCBI Protein Information	peptide YY
UniProt Protein Name	Peptide YY
UniProt Gene Name	Pyy
UniProt Synonym Gene Names	PYY

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.