

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

Mini Samples Peptide YY (PYY) ELISA Kit

CATALOG # AAA189298	REACTIVITY Rat	APPLICATIONS ELISA
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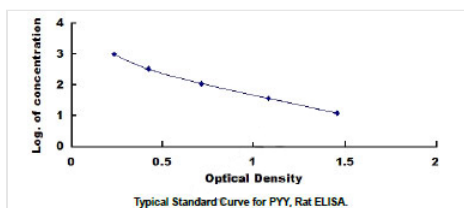
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	12.35-1,000pg/mL
Sensitivity	< 5.15pg/mL
Applicable Applications for PYY elisa kit	ELISA
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	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 PYY elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of PYY in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to PYY has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled PYY and unlabeled PYY (Standards or samples) with the pre-coated antibody specific to PYY. 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 PYY in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of PYY in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77539744
NCBI GeneID	287730
NCBI Accession #	NP_001029252.1
NCBI GenBank Nucleotide #	NM_001034080.1
UniProt Accession #	P10631; Q3C1E8
Molecular Weight	11,121 Da
NCBI Official Full Name	peptide YY
NCBI Official Synonym Full Names	peptide YY (mapped)
NCBI Official Symbol	Pyy
NCBI Official Synonym Symbols	Yy; GHYY; RATGHYY; peptide-YY
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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/peptide-yy-pyy/189298>