

Porcine Peptide YY ELISA Kit | PYY elisa kit

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CATALOG #
AAA16972

REACTIVITY
Porcine

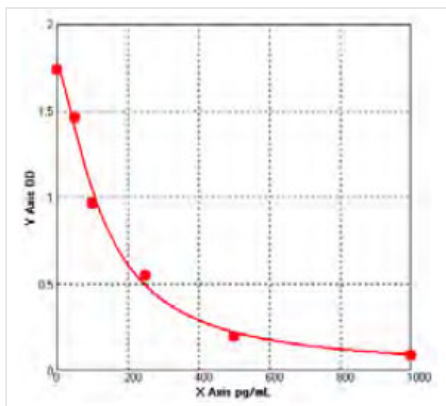
PRODUCT SYNONYMS

Peptide YY; Porcine Peptide YY ELISA Kit; PYY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PYY 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 PYY elisa kit	Intended Uses: This PYY ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PYY. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PYY ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PYY antibody and an PYY-HRP conjugate. The assay sample and buffer are incubated together with PYY-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 PYY concentration since PYY from samples and PYY-HRP conjugate compete for the anti-PYY antibody binding site. Since the number of sites is limited, as more sites are occupied by PYY from the sample, fewer sites are left to bind PYY-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PYY concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PYY elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457254
NCBI GeneID	5697
UniProt Accession #	P10082; Q5U5Q6; Q6FGH8
Molecular Weight	10,360 Da
NCBI Official Full Name	PYY
NCBI Official Synonym Full Names	peptide YY
NCBI Official Symbol	PYY
NCBI Official Synonym Symbols	PYY1; PYY-I
NCBI Protein Information	peptide YY; prepro-PYY; peptide tyrosine tyrosine
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.

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Online datasheet: <https://www.aaabiotech.com/pyy-porcine-elisa-kits/peptide-yy/16972>