



BMA BIOMEDICALS



Peninsula Laboratories

T-4091

Rabbit anti Peptide YY (human) [UniProt: P10082]

Peptide YY (PYY), also known as peptide tyrosine tyrosine, is a 36-amino acid peptide related to the pancreatic polypeptide (PP) family, with 18 of its 36 amino acids located in the same positions as pancreatic polypeptide. The two major forms of peptide YY are PYY₁₋₃₆ and PYY₃₋₃₆, which have PP fold structural motifs. PYY is released from cells in the ileum and colon in response to feeding, and exerts its action through neuropeptide Y (NPY) receptors. It has been shown to reduce appetite and may suppress pancreatic secretion.

This antibody was generated by immunization of rabbits with Peptide YY coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	961057-1
Host species:	Rabbit IgG
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Peptide YY. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Tyr-Pro-Ile-Lys-Pro-Glu-Ala-Pro-Gly-Glu-Asp-Ala-Ser-Pro-Glu-Glu-Leu-Asn-Arg-Tyr-Tyr-Ala-Ser-Leu-Arg-His-Tyr-Leu-Asn-Leu-Val-Thr-Arg-Gln-Arg-Tyr-NH ₂ coupled to a carrier protein.

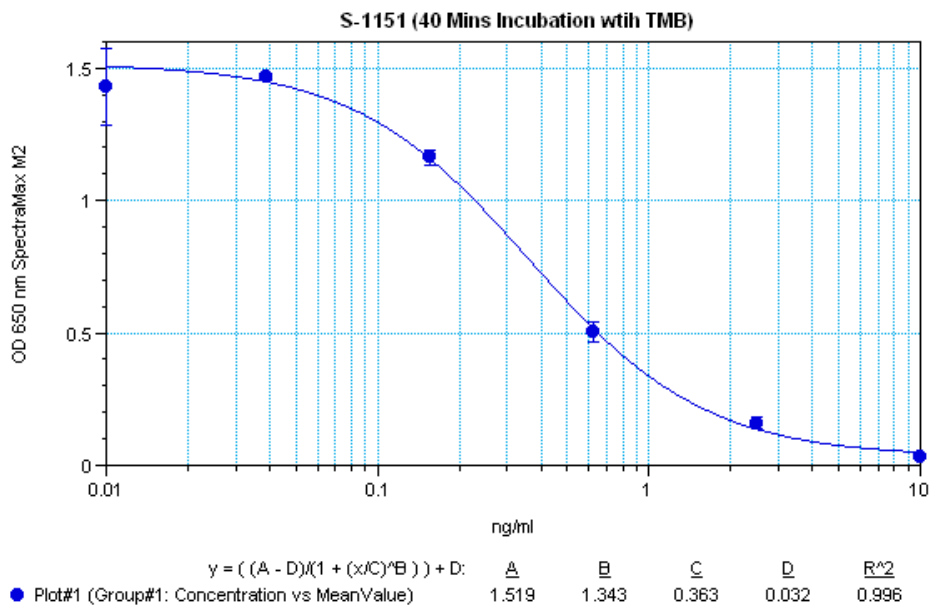
Cross-Reactivity:

PEPTIDE:	%:
PYY (human)	100
PYY (3-36) (human)	100
PYY (canine, mouse, porcine, rat)	100
PYY (13-36) (canine, mouse, porcine, rat)	100
Amylin (human)	0
Glucagon (1-29) (human, bovine, porcine)	0

Cross-Reactivity (continued):

PEPTIDE:	%:
Insulin (human)	0
Neuropeptide Y (human, rat)	0
Neuropeptide Y (porcine)	0
Pancreatic Polypeptide (human)	0
Substance P	0

Typical titration curve of Peptide YY in a competitive ELISA with this antibody:



Related Products: T-4090: anti Peptide YY, diluted antiserum (hu)
S-1272: ELISA, extraction-free for serum and plasma samples (hu)
S-1151: ELISA, high sensitivity for extracted samples (hu)
T-4113: anti Peptide YY, purified IgG (hu)

This product contains no preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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neat antiserum

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