



BMA BIOMEDICALS



Peninsula Laboratories

S-1274

Peptide YY (canine, mouse, porcine, rat) ELISA [UniProt: P68004, Q9EPS2, P68005, P10631]

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 ELISA was developed with serum from rabbits immunized with Peptide YY coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO22107
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for rat serum or plasma (EIAS type).
Shelf-life:	One year from production date. Store serum diluent frozen, other components refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with samples of rat origin (original protocol V, Ab1hr.Std2hr.BtOH). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-10ng/ml
Average IC50:	0.65ng/ml
Immunogen:	Synthetic peptide H-Tyr-Pro-Ala-Lys-Pro-Glu-Ala-Pro-Gly-Glu-Asp-Ala-Ser-Pro-Glu-Glu-Leu-Ser-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.

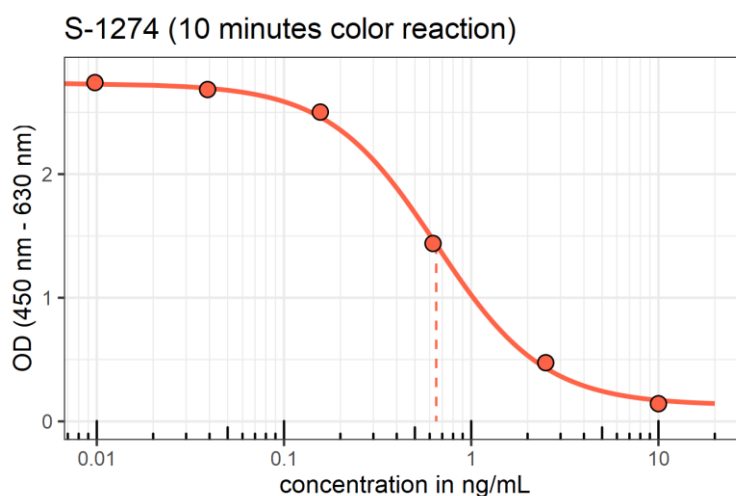
Cross-Reactivity:

PEPTIDE:	%:
Peptide YY (canine, mouse, porcine, rat)	100
Peptide YY (13-36) (canine, mouse, porcine, rat)	100
Peptide YY (human)	9
Peptide YY (3-36) (human)	7
NPY (human, rat)	0.1

Cross-Reactivity (continued):

PEPTIDE:	%:
Pancreatic Polypeptide (human)	0.01
Pancreatic Polypeptide (avian)	0
Met-Enkephalin	0
Galanin (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Secretin (porcine)	0
Substance P	0
VIP (human, bovine, porcine, rat)	0

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
Stock	1000	
S1	10.00	Add 10µl Stock + 990µl diluent
S2	2.50	Add 200µl S1 + 600µl diluent
S3	0.63	Add 200µl S2 + 600µl diluent
S4	0.16	Add 200µl S3 + 600µl diluent
S5	0.04	Add 200µl S4 + 600µl diluent
S6	0.01	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4092: anti Peptide YY, diluted antiserum (ca, ms, po, rt)
T-4094: anti Peptide YY, neat antiserum (ca, ms, po, rt)
T-4093: anti Peptide YY, purified IgG (ca, ms, po, rt)
S-1150: ELISA (ca, ms, po, rt), high sensitivity for extracted samples

This product contains ProClin™ 150 as a 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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EIAS

05.08.2022