



BMA BIOMEDICALS



Peninsula Laboratories

S-1346

Neuropeptide Y (human, mouse, rat) ELISA [UniProt: P01303, P57774, P07808]

Neuropeptide Y (NPY) is a 36 amino acid neuropeptide known to be involved in several physiological and homeostatic processes in both the central and peripheral nervous system. It is the most abundant peptide present in the mammalian central nervous system and it is synthesized in GABAergic neurons, acting as a neurotransmitter in cellular communication.

This ELISA was developed with serum from rabbits immunized with Neuropeptide Y coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A17948
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (EIAS type).
Shelf-life:	One year from production date. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with samples of human origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-10ng/ml
Average IC50:	0.3ng/ml
Immunogen:	Synthetic peptide H-Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Met-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH ₂ coupled to carrier protein.

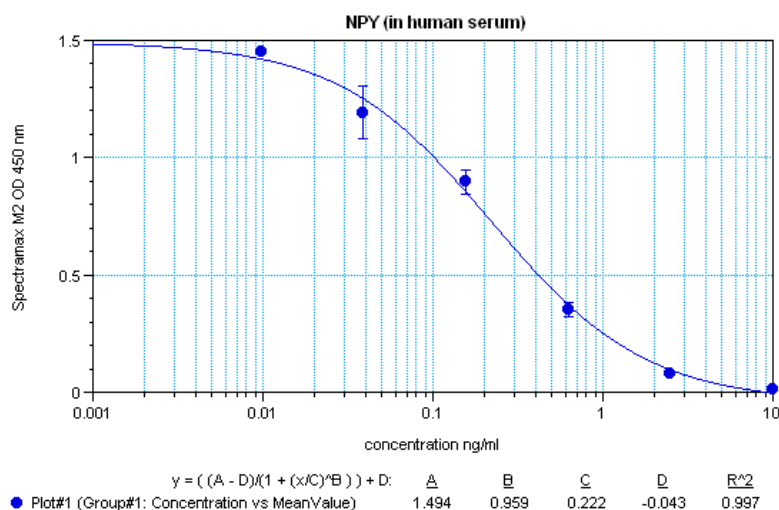
Cross-Reactivity:

PEPTIDE:	%:
NPY (human, rat)	100
NPY (porcine)	100
Pancreatic Polypeptide (human)	3
PYY (porcine, rat)	0
VIP (human, bovine, porcine, rat)	0
Amylin (acid free) (human)	0
Prepro NPY (68-97) (human)	0

Cross-Reactivity: (continued)

PEPTIDE:	%:
Insulin (human)	0
Somatostatin-14	0

Typical titration curve of Neuropeptide Y 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-4070: neat antiserum
 T-4453: purified IgG
 S-1145: ELISA, high sensitivity for extracted samples

This product contains Thimerosal 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.