



BMA BIOMEDICALS



Peninsula Laboratories

Neuropeptide Y (human, mouse, rat) ELISA

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

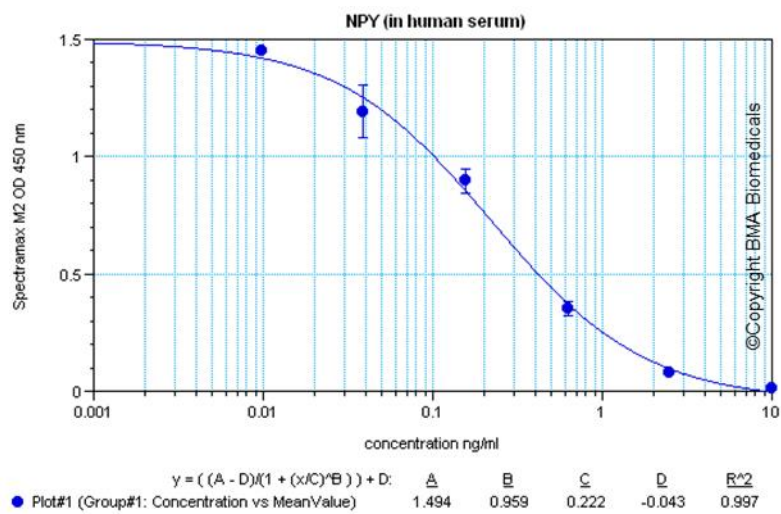
Product number:	S-1346 (Lot A17948)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (ELISA type).
Shelf-life:	One year from date of purchase. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with samples of human origin, following protocol V. Please see www.bma.ch for protocols and general information.
Range:	0 - 10 ng/ml
Average IC₅₀:	0.3 ng/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.

Protein database: [human-P01303](#), [mouse-P57774](#), [rat-P07808](#)

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
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:

- S-1145: ELISA, high sensitivity for extracted samples
- T-4070: Rabbit anti NPY, neat antiserum
- T-4453: Rabbit anti NPY, purified IgG

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.