



BMA BIOMEDICALS



Peninsula Laboratories

S-1145

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 the both 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 neurotransmitter during cellular communication.

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

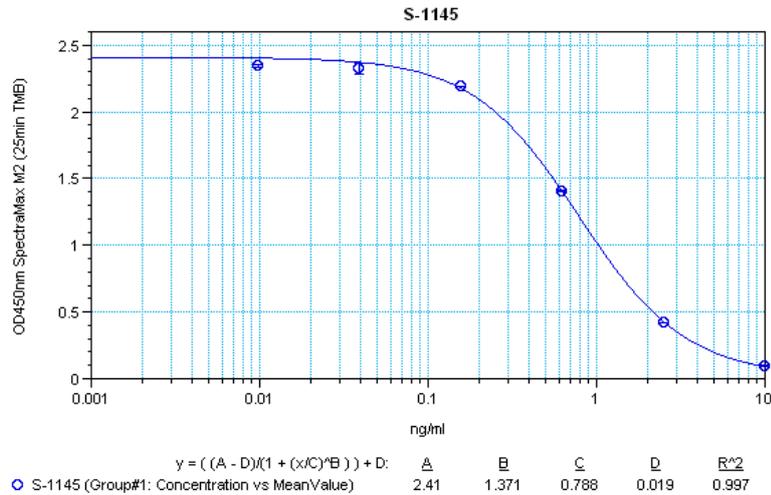
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18149
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH 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 appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-10ng/ml
Average IC50:	0.6ng/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
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 100µl S1 + 300µl diluent
S3	0.63	Add 100µl S2 + 300µl diluent
S4	0.16	Add 100µl S3 + 300µl diluent
S5	0.04	Add 100µl S4 + 300µl diluent
S6	0.01	Add 100µl S5 + 300µl diluent
S0	0.00	300µl diluent

Related Products:

T-4070: anti Neuropeptide Y (hu, ms, rt), neat antiserum
 T-4069: anti Neuropeptide Y (hu, ms, rt), purified IgG
 T-4452: anti Neuropeptide Y (bo, po), diluted antiserum
 T-4068: anti Neuropeptide Y (hu, bo), diluted antiserum for RIA
 S-1346: ELISA, extraction-free for human 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.

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EIAH – hu, ms, rt

19.8.2020