



BMA BIOMEDICALS



Peninsula Laboratories

S-1280

Neuromedin S (rat) ELISA [UniProt: P12760]

Neuromedin S is a 36-amino acid neuropeptide located in the brain of humans and other mammals. It is related to neuromedin U and is produced in the suprachiasmatic nucleus of the hypothalamus. Neuromedin S is involved in the regulation of circadian rhythm and in the regulation of several peptide hormones including vasopressin, luteinizing hormone, and oxytocin.

This ELISA was developed with serum from rabbits immunized with Neuromedin S coupled to a carrier protein.

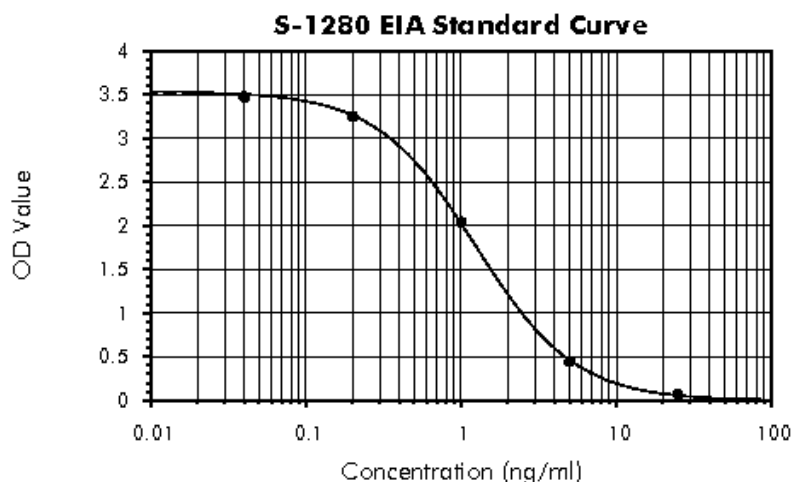
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A11761
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 - 25ng/ml
Average IC50:	1.2ng/ml
Immunogen:	Synthetic peptide H-Leu-Pro-Arg-Leu-Leu-His-Thr-Asp-Ser-Arg-Met-Ala-Thr-Ile-Asp-Phe-Pro-Lys-Lys-Asp-Pro-Thr-Thr-Ser-Leu-Gly-Arg-Pro-Phe-Phe-Leu-Phe-Arg-Pro-Arg-Asn-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Neuromedin S (rat)	100
Neuromedin S (human)	15
Neuromedin U-25 (human)	0
Neuromedin U-23 (rat)	0
PrePro-Neuromedin U (104-136) (human)	0
PrePro-Neuromedin S (70-103) (human)	0
Neuropeptide Y (human, rat)	0
Ghrelin (rat)	0

Typical titration curve of Neuromedin S in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.02 to 25ng/ml
Stock	1000	
S1	25.00	Add 25µl Stock + 975µl diluent
S2	6.25	Add 200µl S1 + 600µl diluent
S3	1.56	Add 200µl S2 + 600µl diluent
S4	0.39	Add 200µl S3 + 600µl diluent
S5	0.10	Add 200µl S4 + 600µl diluent
S6	0.02	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

S-1278: ELISA, high sensitivity for extracted samples (hu)
 S-1281: ELISA, extraction-free for rat samples
 S-1279: ELISA, extraction-free for human samples
 T-4813: anti Neuromedin S, purified IgG (hu)
 T-4814: anti Neuromedin S, purified IgG (rt)

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

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