



BMA BIOMEDICALS



Peninsula Laboratories

S-1253

Neuromedin U-25 (human) ELISA [UniProt: P48645]

Neuromedin U is a highly conserved neuropeptide found in the brain of humans and other mammals. It is known to have diverse functions including contraction of smooth muscle, regulation of blood pressure, pain perception, appetite, bone growth, and hormone release. Neuromedin U exists as multiple isoforms such as U-25 in humans and U-23 in rats. Like many neuroactive peptides, Neuromedin U is amidated at the C-terminus, and all isoforms have identical C-terminal heptapeptides.

This ELISA was developed with serum from rabbits immunized with Nueromedin U-25 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18135
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:	0.53ng/ml
Immunogen:	Synthetic peptide H-Phe-Arg-Val-Asp-Glu-Glu-Phe-Gln-Ser-Pro-Phe-Ala-Ser-Gln-Ser-Arg-Gly-Tyr-Phe-Leu-Phe-Arg-Pro-Arg-Asn-NH ₂ coupled to carrier protein.

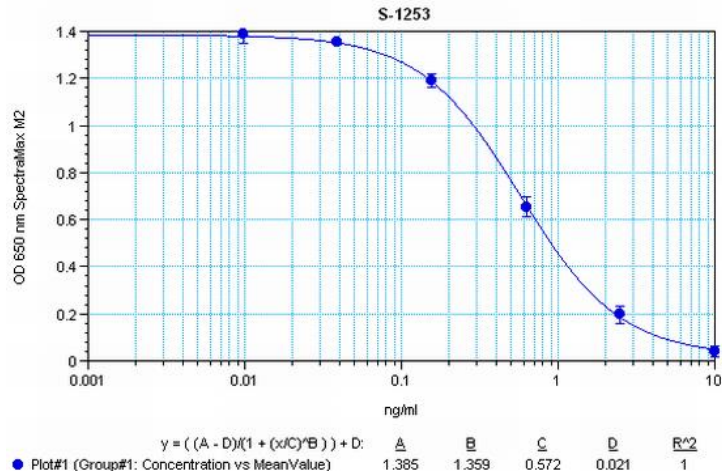
Cross-Reactivity:

PEPTIDE:	%:
Neuromedin U-25 (human)	100
Neuromedin U-8 (porcine)	100
Neuromedin U-25 (porcine)	100
Neuromedin U (rat)	100
Neuromedin N	0
Neuromedin B	0
Neuromedin C	0

Cross-Reactivity (continued):

PEPTIDE:	%:
Pancreatic Polypeptide (human)	0
VIP (human, bovine, porcine, rat)	0
Ghrelin (human)	0

Typical titration curve of Neuromedin U-25 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-4765: anti Neuromedin U-25, diluted antiserum
 T-4767: anti Neuromedin U-25, neat antiserum
 T-4766: anti Neuromedin U-25, purified IgG

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

6.8.2020