



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1206**

## **Neurotensin ELISA**

Neurotensin is a 13-amino acid neuropeptide that shares similarity in its 6 C-terminal amino acids with several other neuropeptides, including neuromedin N. It is distributed through the central nervous system, with highest levels in the hypothalamus, amygdala and nucleus accumbens. Neurotensin is implicated in the regulation of luteinizing hormone and prolactin release, and has a variety of effects, including analgesia, hypothermia and increased locomotor pathways.

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

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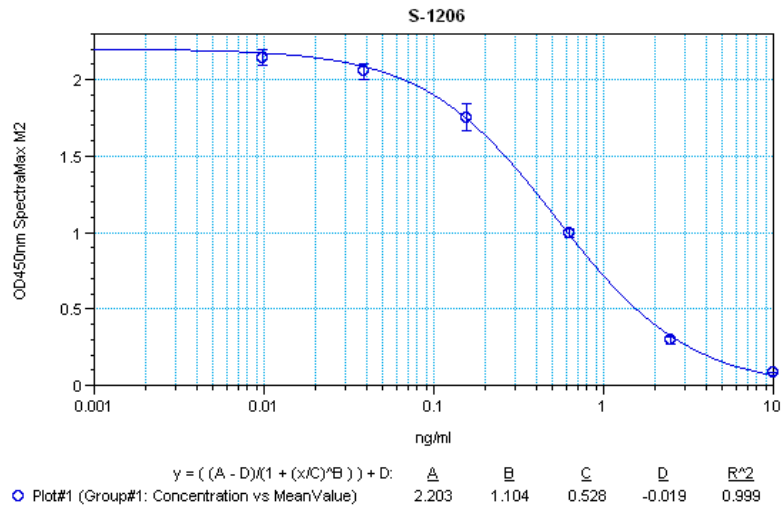
### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A16578
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Formulated for extracted samples (EIAH type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0-10ng/ml
<b>Average IC50:</b>	0.5ng/ml
<b>Immunogen:</b>	Synthetic peptide Pyr-Leu-Tyr-Glu-Asn-Lys-Pro-Arg-Arg-Pro-Tyr-Ile-Leu-OH couple to carrier protein.

#### **Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
Neurotensin	100
Neurotensin (guinea pig)	26
Neuromedin N	0.03
Neurotensin (8-13)	0
Substance P	0
Kinetensin	0
Bombesin	0

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



<b>Suggested Preparation of Standards</b>		
	ng/ml	Range: 0.01 to 10ng/ml
<b>Stock</b>	1000	
<b>S1</b>	10.00	Add 10µl Stock + 990µl diluent
<b>S2</b>	2.50	Add 200µl S1 + 600µl diluent
<b>S3</b>	0.63	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.16	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.04	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.01	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products:

T-4315: anti Neurotensin, purified IgG  
 T-4314: anti Neurotensin, diluted antiserum  
 T-4313: anti Neurotensin, neat antiserum

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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

5.6.2020