



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1219**

## **Neurokinin B ELISA**

Neurokinin B (KNB) is a 10-peptide chain (decapeptide) attached to a terminal amide group. It belongs to the tachykinin family and it is implicated in a variety of human functions and pathways such as the secretion of gonadotropin-releasing hormone. Neurokinin B is expressed along with the peptides kisspeptin and dynorphin A in the neuronal cells of the arcuate nucleus.

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

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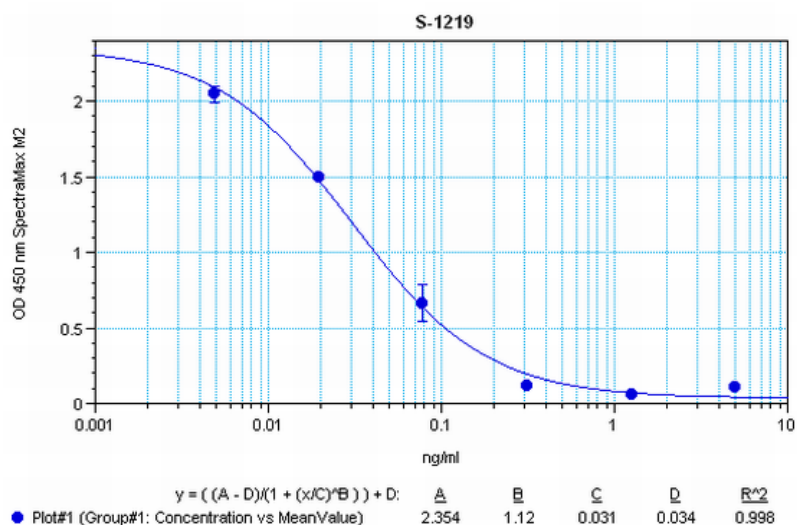
### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A18138
<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 I, Std.Ab.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>	0-5ng/ml
<b>Average IC50:</b>	0.05ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Asp-Met-His-Asp-Phe-Phe-Val-Gly-Leu-Met-NH <sub>2</sub> coupled to carrier protein.

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

<b>PEPTIDE:</b>	<b>%:</b>
Neurokinin B (Neuromedin K)	100
Neurokinin A (Substance K)	0.1
Kassinin	0.6
Neuropeptide K (porcine)	0
Eledoisin	1
Substance P	0.2
Physalaemin	2
Neuromedin B (porcine)	0
ACTH (1-39) (human)	0
(Arg <sup>8</sup> )-Vasopressin	0

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



<b>Suggested Preparation of Standards</b>		
	ng/ml	Range: 0.00 to 5ng/ml
<b>Stock</b>	1000	
<b>S1</b>	5.00	Add 5µl Stock + 995µl diluent
<b>S2</b>	1.25	Add 200µl S1 + 600µl diluent
<b>S3</b>	0.31	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.08	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.02	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.00	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products:

T-4448: anti Neurokinin B, diluted antiserum  
T-4449: anti Neurokinin B, purified IgG  
T-4450: anti Neurokinin B, neat antiserum  
S-1271: ELISA, extraction-free for human samples

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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.

S-1219

EIAH

5.6.2020