



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1218**

## **Neurokinin A ELISA**

Neurokinin A (KNA) is a 10-amino acid neuropeptide neurotransmitter that belongs to the tachykinin family. It is an important contributor to nociceptive processing, satiety, and smooth muscle contraction. Tachykinins are also known to be excitatory neurotransmitters with effects on mammalian nervous. They also influence mammalian inflammatory and pain responses.

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

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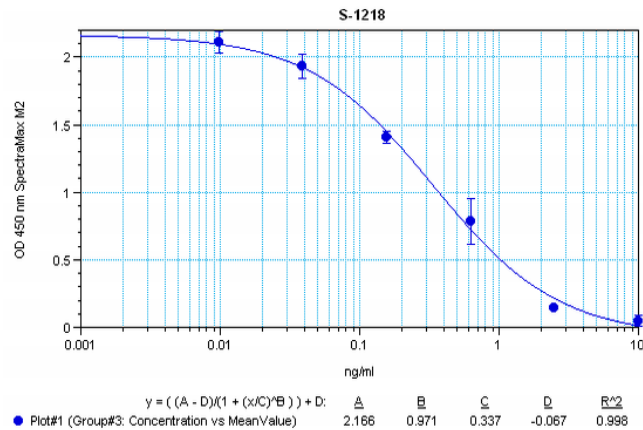
### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A17362
<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>	0.34ng/ml
<b>Immunogen:</b>	Synthetic peptide H-His-Lys-Thr-Asp-Ser-Phe-Val-Gly-Leu-Met-NH <sub>2</sub> coupled to carrier protein.

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

<b>PEPTIDE:</b>	<b>%:</b>
Neurokinin A	100
Kassinin	100
Neuropeptide K (porcine)	100
Neurokinin B	80
Substance P	0.05
Physalaemin	0.02
Neuropeptide Y (porcine)	0
Neuromedin B	0
ACTH (1-39) (human)	0
(Arg <sup>8</sup> )-Vasopressin	0

Typical titration curve of Neurokinin A 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-4446: anti Neurokinin A, neat antiserum

T-4445: anti Neurokinin A, purified IgG

T-4444: anti Neurokinin A, diluted antiserum for RIA

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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