



BMA BIOMEDICALS



Peninsula Laboratories

S-1271

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 B coupled to a carrier protein.

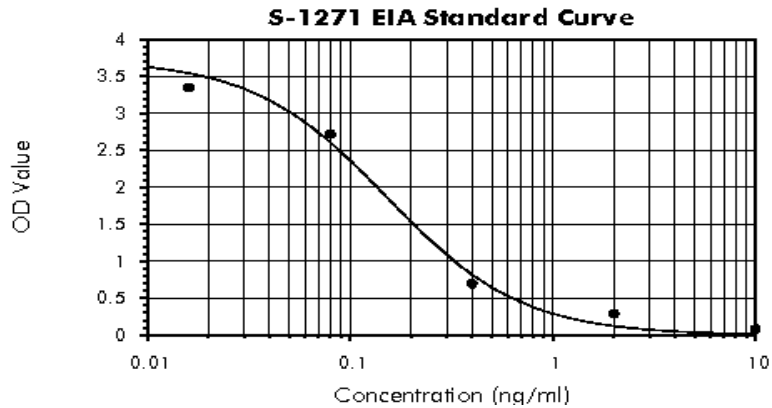
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A17981
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (EIAS 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 samples of human origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-10ng/ml
Average IC50:	0.2ng/ml
Immunogen:	Synthetic peptide H-Asp-Met-His-Asp-Phe-Phe-Val-Gly-Leu-Met-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
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
Neuropeptide K (Porcine)	0
Neuromedin B (Porcine)	0
ACTH (Human)	0
Arg8-Vasopressin	0

Typical titration curve of Neurokinin B 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-4448: anti Neurokinin B, diluted antiserum
- T-4449: anti Neurokinin B, purified IgG
- T-4450: anti Neurokinin B, neat antiserum
- S-1219: ELISA, high sensitivity for extracted samples

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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EIAS

5.6.2020