BMA BIOMEDICALS

Peninsula Laboratories

S-1292

Hemokinin 1 (human) ELISA

Hemokinin 1 is a substance P-like tachykinin peptide predominantly expressed in non-neuronal tissues. Hemokinin-1 is a cleavage product of Tachykinin-4 and constitutes of 11 amino acids. It mediates chronic neuropathic mechanical and cold hyperalgesia. Hemokinin 1 is involved in the activation of neuropathic microglia and astrocyte activation in spinal cord. It is known to induce acute visceral and neurogenic inflammatory pain via NK1 receptor.

This ELISA was developed with serum from rabbits immunized with Hemokinin 1coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18183
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:	0-25ng/ml
Average IC50:	0.6ng/ml
Immunogen:	Synthetic peptide H-Thr-Gly-Lys-Ala-Ser-Gln-Phe-Phe-Gly-Leu-Met-NH2 coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Hemokinin 1 (human)	100
Hemokinin 1 (mouse, rat)	0
Substance P	0
Neurokinin A	0
Neurokinin B	0
Neurotensin	0
Oxytocin	0
CRF (human, rat)	0

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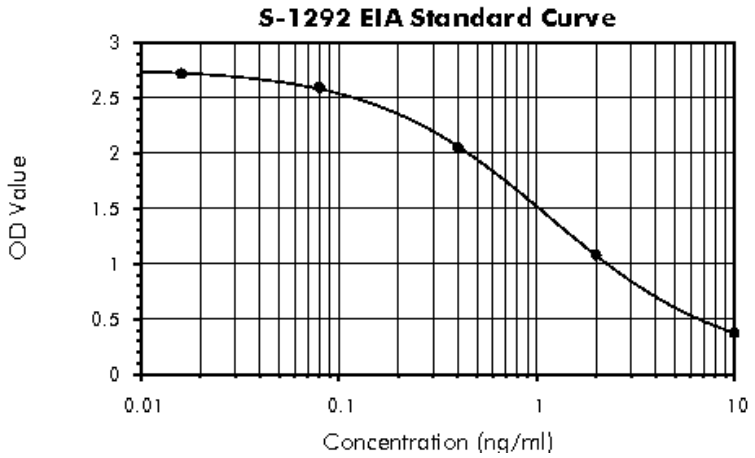
Typical titration curve of Hemokinin-1 in a competitive ELISA with this antibody:



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-4836: purified IgG (hu)
T-4835: purified IgG (ms, rt)
S-1291: ELISA, high sensitivity for extracted samples (ms, rt)

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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