



BMA BIOMEDICALS



Peninsula Laboratories

S-1148

Orexin B (mouse, rat) ELISA [UniProt: 055241, 055232]

Orexin B is a 28-amino acid neuropeptide hormone involved in the regulation a variety of behavioral and physiological processes in response to motivational stimuli. Orexins (Orexin A and Orexin B) are produced by proteolytic cleavage of prepro-orexin. They were so named for their stimulatory role in feeding behavior, but also play important functions in the organism's energy homeostasis and sleep cycles. They exert their effects through G-protein coupled receptors.

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

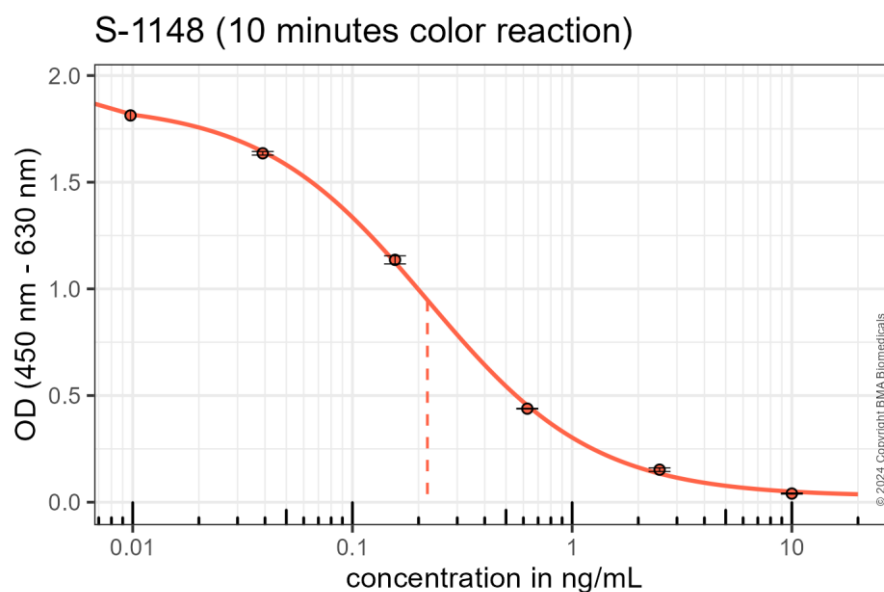
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A16367
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 - 10 ng/ml
Average IC50:	0.22 ng/ml
Immunogen:	Synthetic peptide H-Arg-Ser-Gly-Pro-Pro-Gly-Leu-Gln-Gly-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Ala-Ser-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Met-NH2 coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Orexin-B (mouse, rat)	100
Orexin-B (human)	100
Orexin-A (human, bovine. mouse, rat)	0
NPY (human, rat)	0
α-MSH	0
Leptin (human)	0
Substance P	0
CRF (human, rat)	0

Typical titration curve of Orexin 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:

S-1374: ELISA, extraction-free for serum and plasma samples
T-4077: anti Orexin B (hu), neat antiserum
T-4076: anti Orexin B (hu), purified IgG
T-4078: anti Orexin B (ms, rt), diluted antiserum
T-4080: anti Orexin B (ms, rt), neat antiserum
T-4079: anti Orexin B (ms, rt), purified IgG

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-1148

EIAH

01.05.2024