



BMA BIOMEDICALS



Peninsula Laboratories

Copeptin (human) ELISA

Copeptin is a 39 amino acid peptide generated by the cleavage of Vasopressin-neurophysin 2-copeptin. The main stimuli for copeptin are similar to arginine vasopressin (AVP), that is an increase in osmolality and a decrease in arterial blood volume and pressure. Copeptin has been evaluated as a diagnostic biomarker in vasopressin-dependent disorders of body fluid homeostasis, that is diabetes insipidus and syndrome of inappropriate thirsting (SIAD), respectively. Baseline copeptin levels, without prior thirsting, identify patients with nephrogenic diabetes insipidus.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

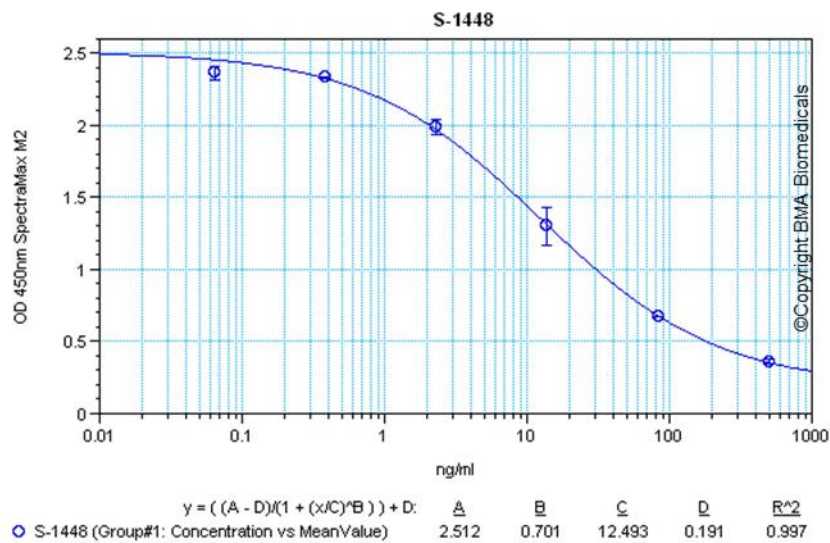
Product number:	S-1448 (Lot A17329)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from date of purchase. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples, following protocol III. Please see www.bma.ch for protocols and general information.
Range:	0 - 500 ng/ml
Average IC₅₀:	12.0 ng/ml
Immunogen:	Synthetic peptide H-Ala-Ser-Asp-Arg-Ser-Asn-Ala-Thr-Gln-Leu-Asp-Gly-Pro-Ala-Gly-Ala-Leu-Leu-Leu-Arg-Leu-Val-Gln-Leu-Ala-Gly-Ala-Pro-Glu-Pro-Phe-Glu-Pro-Ala-Gln-Pro-Asp-Ala-Tyr-OH coupled to carrier protein.

Protein database: [human-P01185](#)

Cross-Reactivity:

PEPTIDE	%
Copeptin (human)	100
Copeptin (rat)	0

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.06 to 500ng/ml
Stock	1000	
S1	500.00	Add 250µl Stock + 250µl diluent
S2	83.33	Add 150µl S1 + 750µl diluent
S3	13.88	Add 150µl S2 + 750µl diluent
S4	2.31	Add 150µl S3 + 750µl diluent
S5	0.39	Add 150µl S4 + 750µl diluent
S6	0.06	Add 150µl S5 + 750µl diluent
S0	0.00	500µl diluent

Related Products:

- S-1427: ELISA Kit, high sensitivity for extracted samples, (hu)
- S-1422: ELISA Kit, high sensitivity for extracted samples, (rt)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.