



BMA BIOMEDICALS



Peninsula Laboratories

S-1422

Copeptin (rat) ELISA [UniProt: P01186]

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.

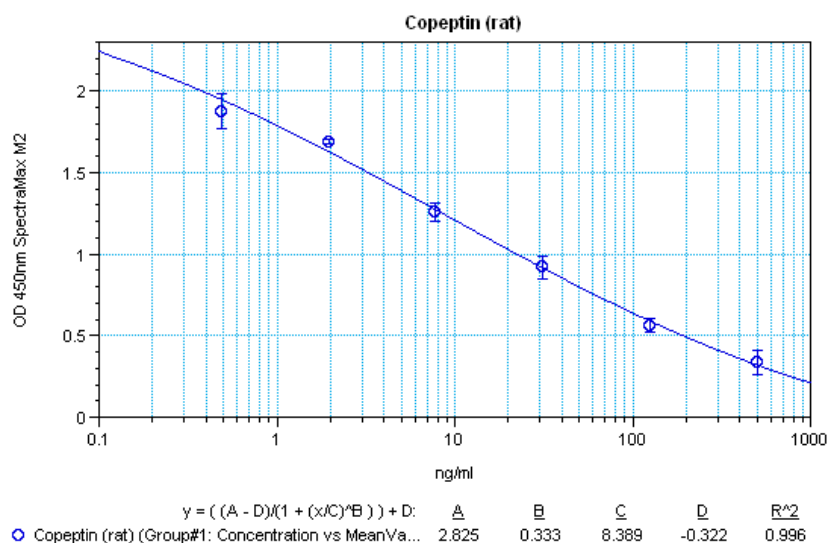
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18020
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:	0-500ng/ml
Average IC50:	12ng/ml
Immunogen:	Synthetic peptide H-Ala-Arg-Glu-Gln-Ser-Asn-Ala-Thr-Gln-Leu-Asp-Gly-Pro-Ala-Arg-Glu-Leu-Leu-Leu-Arg-Leu-Val-Gln-Leu-Ala-Gly-Thr-Gln-Glu-Ser-Val-Asp-Ser-Ala-Lys-Pro-Arg-Val-Tyr-OH coupled to carrier protein.

Cross-Reactivity:

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

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.49 to 500ng/ml
Stock	1000	
S1	500.00	Add 250µl Stock + 250µl diluent
S2	125.00	Add 200µl S1 + 600µl diluent
S3	31.25	Add 200µl S2 + 600µl diluent
S4	7.81	Add 200µl S3 + 600µl diluent
S5	1.95	Add 200µl S4 + 600µl diluent
S6	0.49	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: S-1427: ELISA Kit, high sensitivity, for human samples.
 S-1448: ELISA Kit, extraction-free, for human samples
 T-4941: Lyophilized rabbit antiserum

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.