



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1358 (Arg<sup>8</sup>)-Vasopressin ELISA

(Arg<sup>8</sup>)-Vasopressin or argipressin is an antidiuretic peptide hormone that plays a key role in maintaining plasma osmolality. The peptide released from the posterior pituitary gland promotes renal tubular reabsorption of water. In high concentration, it also raises blood pressure by inducing moderate vasoconstriction. Argipressin is involved in the control of circadian rhythm, thermoregulation, and ACTH release in the brain.

This ELISA was developed with serum from rabbits immunized with (Arg<sup>8</sup>)-Vasopressin coupled to a carrier protein.

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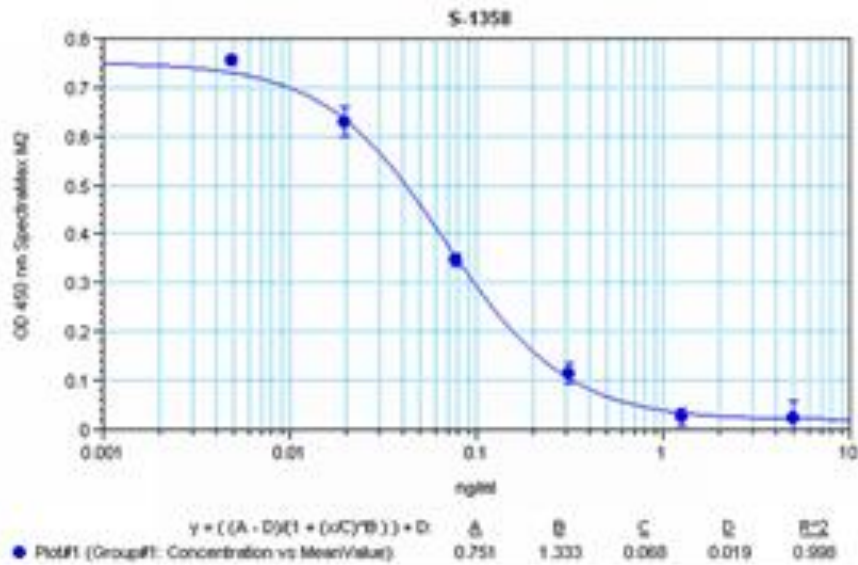
### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A17524
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Extraction-free kit for rat serum or plasma (EIAS type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	This ELISA has been validated with the included reagents. It is intended to be used with samples of rat origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0 – 5ng/ml
<b>Average IC<sub>50</sub>:</b>	0.2ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Cys-Tyr-Phe-Gln-Asn-Cys-Pro-Arg-Gly-NH <sub>2</sub> , (Disulfide bond) coupled to carrier protein.

#### Cross-Reactivity:

PEPTIDE	%
(Arg <sup>8</sup> )-Vasopressin	100
(Arg <sup>8</sup> )-Vasotocin	53
(Lys <sup>8</sup> )-Vasopressin	0
Oxytocin	0
LHRH	0
ACTH (1-39) (human)	0
Met-Enkephalin	0
PACAP-38 (ovine, human, mouse, porcine, rat)	0
PACAP-27 (rat, porcine, human, mouse, ovine)	0

Typical titration curve of (Arg8)-Vasopressin in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.00 to 5ng/ml
<b>Stock</b>	1000	
<b>S1</b>	5.00	Add 5µl Stock + 995µl diluent
<b>S2</b>	1.25	Add 200µl S1 + 600µl diluent
<b>S3</b>	0.31	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.08	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.02	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.00	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products:

- T-4563: neat antiserum
- T-4561: diluted antiserum
- T-4562: purified IgG
- S-1233: ELISA, high sensitivity for extracted samples (EIAH)
- S-1357: ELISA, extraction-free for human samples (EIAS-r)

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-1358

EIAS-r

26.05.2020