



BMA BIOMEDICALS



Peninsula Laboratories

Proline-rich peptide 1 (PRP-1) pro-Vasopressin (150-164) (human) ELISA

PRP-1 is one of five peptides that belongs to a new family of peptide neurohormones composed of 10-15 amino acid residues. PRPs were discovered and isolated from the neurosecretory granules of the bovine and human neurohypophysis. These peptides contain a high percentage of proline residues and have therefore been designated PRPs (proline-rich peptides). Studies have shown that PRP-1s produced by neurosecretory cells in the hypothalamus have many beneficial biological effects including immunoregulatory, haematopoietic, antimicrobial and anti-neurodegenerative properties.

This ELISA was developed with serum from rabbits immunized with Proline-rich peptide 1 (PRP-1) pro-Vasopressin (150-164) coupled to a carrier protein.

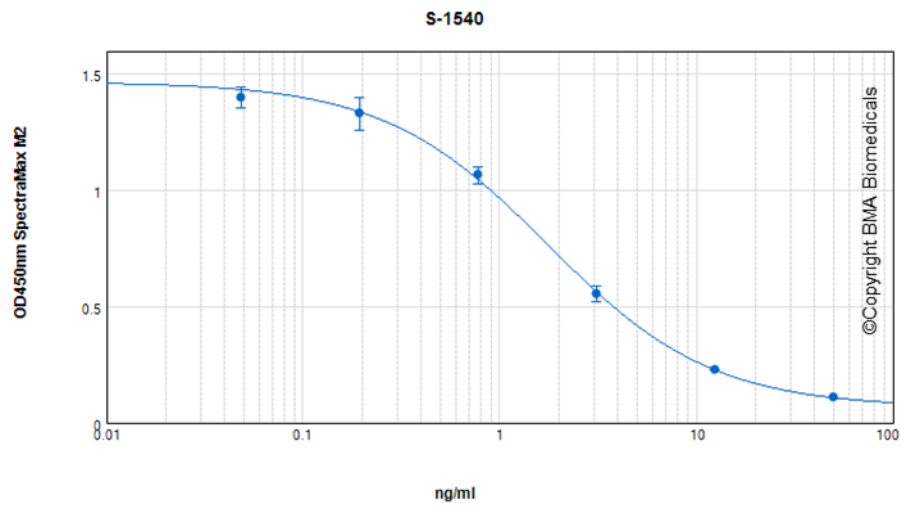
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1540
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 – 50 ng/ml
Average IC₅₀:	2.0 ng/ml
Immunogen:	Synthetic peptide H-Ala-Gly-Ala-Pro-Glu-Pro-Phe-Glu-Pro-Ala-Gln-Pro-Asp-Ala-Tyr-OH, coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Proline-rich peptide 1 (PRP-1) pro-Vasopressin (150-164) (human)	100

Typical titration curve of PRP-1 pro-Vasopressin (150-164) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.05 to 50ng/ml
Stock	1000	
S1	50.00	Add 50µl Stock + 950µl diluent
S2	12.50	Add 200µl S1 + 600µl diluent
S3	3.13	Add 200µl S2 + 600µl diluent
S4	0.78	Add 200µl S3 + 600µl diluent
S5	0.20	Add 200µl S4 + 600µl diluent
S6	0.05	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

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