



BMA BIOMEDICALS



Peninsula Laboratories

PACAP-38 (human, mouse, ovine, porcine, rat) ELISA

Pituitary Adenylate Cyclase-Activating Polypeptide-38 also known as PACAP-38 is a neuropeptide that has substantial sequence homology to vasoactive intestinal peptide (VIP). It is reported to serve as a neuronal survival factor and it has a greater potency for stimulation of adenylyl cyclase.

This ELISA was developed with serum from rabbits immunized with PACAP-38 coupled to a carrier protein.

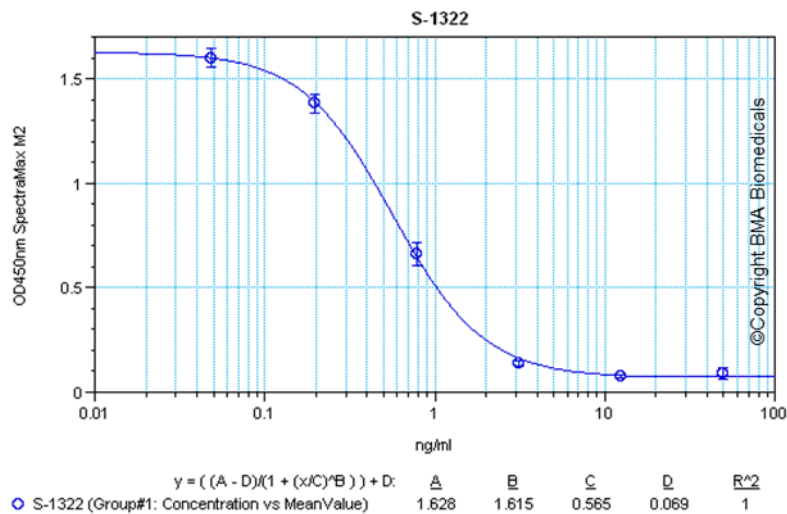
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1322 (Lot A18148)
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:	1.0 ng/ml
Immunogen:	Synthetic peptide H-His-Ser-Asp-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-Leu-Gly-Lys-Arg-Tyr-Lys-Gln-Arg-Val-Lys-Asn-Lys-NH ₂ coupled to carrier protein.
Protein database:	human-P18509 , mouse-O70176 , ovine-P16613 , porcine-P14535 , rat-P13589

Cross-Reactivity:

PEPTIDE	%
PACAP-38 (human, mouse, ovine, porcine, rat)	100
PACAP-38 (16-38) (human, chicken, mouse, ovine, porcine, rat)	100
PACAP (31-38) (human, chicken, mouse, ovine, porcine, rat)	100
PACAP-27 (human, mouse, ovine, porcine, rat)	0.01
VIP (human, bovine, porcine, rat)	0
CRF (human, rat)	0
ACTH (1-39) (human)	0
BNP-32 (human)	0
ANF (1-28)	0
Adrenomedullin (human)	0

Typical titration curve of PACAP-38 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

Related Products:

- T-4473: Rabbit anti PACAP-38, neat antiserum, (hu, ms, ov, po, rt)
- T-5042: Guinea pig anti PACAP-38, neat antiserum, (hu, ms, ov, po, rt)
- T-4472: Rabbit anti PACAP-38, purified IgG, (hu, ms, ov, po, rt)

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