



BMA BIOMEDICALS



Peninsula Laboratories

S-1322

PACAP-38 (human, mouse, ovine, porcine, rat) ELISA [UniProt: P18509, O70176, P16613, P14535, P13589]

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

Lot number:	A18148
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:	0-50ng/ml
Average IC50:	1ng/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.

Cross-Reactivity:

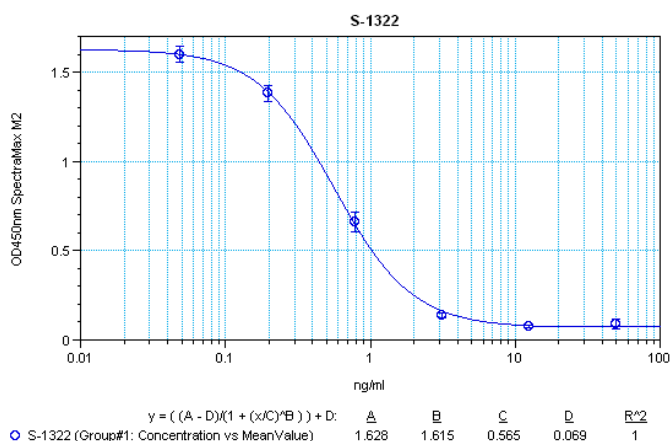
PEPTIDE:	%:
PACAP-38 (human, mouse, ovine, porcine, rat)	100
PACAP-38 (16-38) (human, chicken, mouse, ovine, porcine, rat)	100
PACAP (31-38) (human, chicken, mouse, ovine, porcine, rat)	100
PACAP-27 (human, mouse, ovine, porcine, rat)	0.01
VIP (human, bovine, porcine, rat)	0
CRF (human, rat)	0
ACTH (1-39)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

Cross-Reactivity (continued):

PEPTIDE:	%:
ANF (1-28)	0
Adrenomedullin (human)	0

Cross reactivity data is based on corresponding RIA kit S-2168

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: anti PACAP-38, undiluted serum (hu, ms, ov, po, rt)
T-5042: anti PACAP-38, neat antiserum (hu, ms, ov, po, rt)
T-4472: 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. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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EIAH – hu, ms, ov, po, rt

17.6.2020