BMA BIOMEDICALS

Peninsula Laboratories

S-1387

Secretoneurin ELISA (human, porcine) [UniProt: P13521, Q5FZP5]

Secretoneurin is a 33-amino acid neuropeptide derived from secretogranin II and generated in brain, adrenal medulla and other endocrine tissues by proteolytic processing of secretogranin II. It is known to stimulate endothelial cell proliferation and to active the mitogen-activated protein kinase (MAPK) system as well as the Akt signaling pathway.

This ELISA was developed with serum from rabbits immunized with Secretoneurin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18036
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (EIAS 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 samples of human origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only. Please see **www.bma.ch** for protocols and general information.
Range:	0 - 50ng/ml
Average IC50:	4ng/ml
Immunogen:	Synthetic peptide H-Thr-Asn-Glu-Ile-Val-Glu-Glu-Gln-Tyr-Thr-Pro-Gln-Ser-Leu-Ala-Thr-Leu-Glu-Ser-Val-Phe-Gln-Glu-Leu-Gly-Lys-Leu-Thr-Gly-Pro-Asn-Asn-Gln-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Secretoneurin (human, porcine)	100
Secretoneurin (mouse, rat)	100

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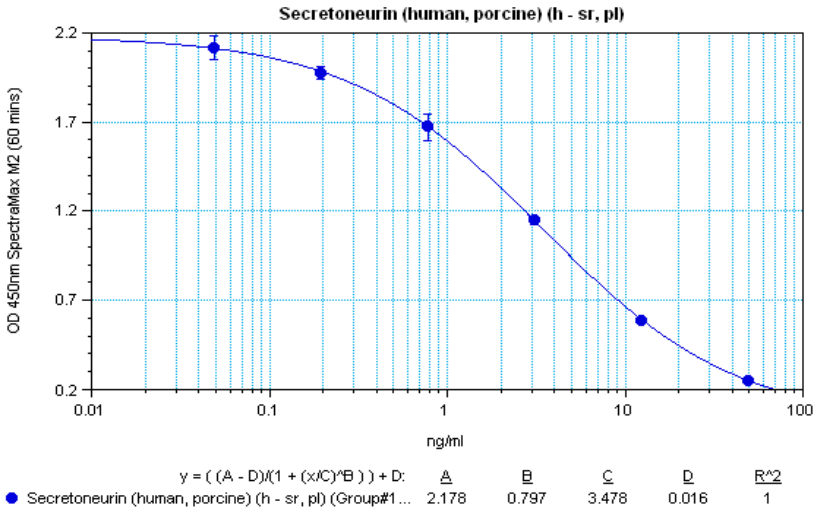
Typical titration curve of Secretoneurin in a competitive ELISA with this antibody:



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: S-1307: ELISA, high sensitivity for extracted samples (ms, rt)
S-1380: ELISA, extraction-free for rat samples (ms, rt)
S-1386: ELISA, high sensitivity for extracted samples (hu, po)
T-4884: anti Secretoneurin (hu, po, ms, rt), lyophilized antiserum

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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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