



BMA BIOMEDICALS



Peninsula Laboratories

Secretoneurin (human, porcine) ELISA

Adropin is a secreted factor involved in energy homeostasis and lipid metabolism. It is encoded by the energy homeostasis associated gene (Enho) and is expressed in liver and brain. In diet-induced obesity (DIO) mice Adropin (34-76) attenuated hepatosteatosis and insulin resistance independently of adiposity or food intake. Additionally, Adropin could be a regulator of endothelial function.

This ELISA was developed with serum from rabbits immunized with Adropin (34-76) to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

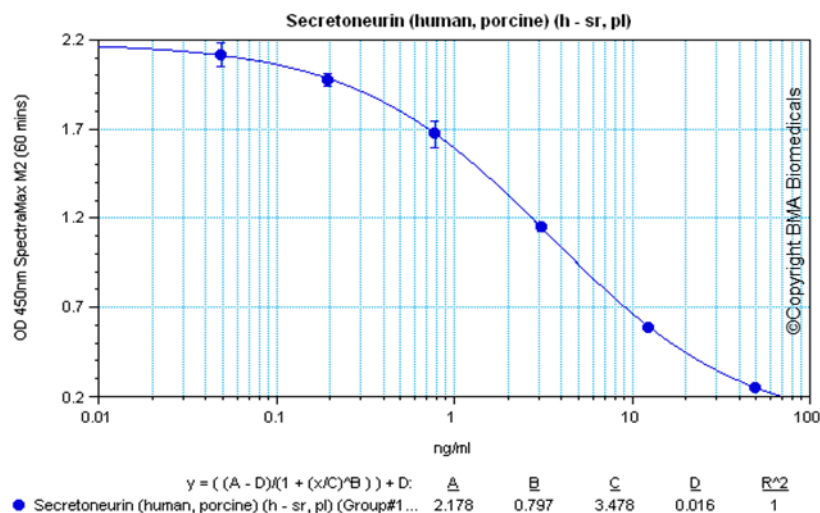
Product number:	S-1387 (Lot A18036)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (EIAS type).
Shelf-life:	One year from date of purchase. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with samples of human origin, following protocol V. Please see www.bma.ch for protocols and general information.
Range:	0 - 50 ng/ml
Average IC₅₀:	4.0 ng/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.

Protein database: [human-P13521](#), [porcine-Q5FZP5](#)

Cross-Reactivity:

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

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)

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