



BMA BIOMEDICALS



Peninsula Laboratories

S-1229

Secretin (human) ELISA [UniProt: P09683]

Secretin is a gastrointestinal peptide hormone that regulates secretions in the stomach, pancreas, and liver. It is produced from the enterochromaffin cells in the duodenum in response to a duodenal content with a pH below 4.5. Secretin is also involved in body fluid homeostasis and is considered a neuropeptide hormone since it is also expressed in the central nervous system.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A16030
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:	0-10ng/ml
Average IC50:	0.3ng/ml
Immunogen:	Synthetic peptide H-His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Glu-Gly-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH ₂ coupled to carrier protein.

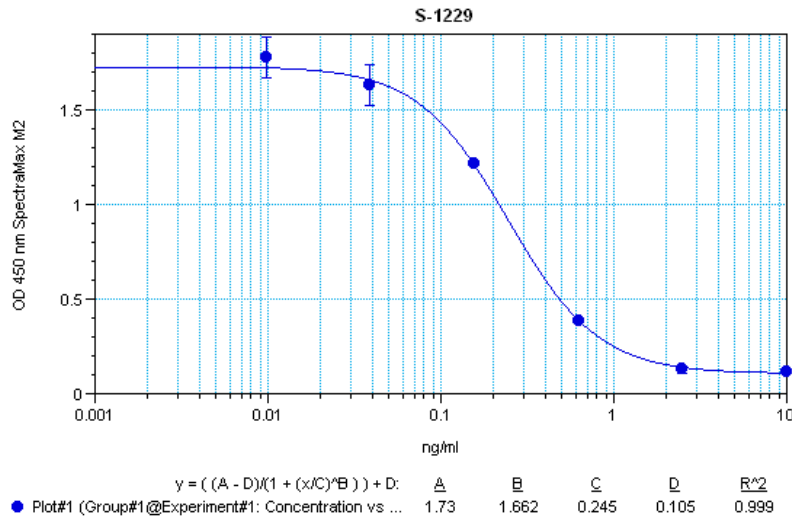
Cross-Reactivity:

PEPTIDE:	%:
Secretin (human)	100
Secretin (porcine)	100
Secretin (rat)	100
Secretin (chicken)	0
VIP (human, bovine, porcine, rat)	0
CCK Octapeptide (desulfated)	0
Substance P	0
Somatostatin-14	0
NPY (porcine)	0

Cross-Reactivity (continued):

PEPTIDE:	%:
Met-Enkephalin	0
Insulin (human)	0
PHI (porcine)	0
Amylin (human)	0

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
Stock	1000	
S1	10.00	Add 10µl Stock + 990µl diluent
S2	2.50	Add 200µl S1 + 600µl diluent
S3	0.63	Add 200µl S2 + 600µl diluent
S4	0.16	Add 200µl S3 + 600µl diluent
S5	0.04	Add 200µl S4 + 600µl diluent
S6	0.01	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

- S-1527: ELISA, extraction-free for human samples
- S-1230: ELISA high sensitivity for extracted samples (po)
- S-1229: ELISA, high sensitivity for extracted samples (hu)
- T-4540: anti Secretin (hu) neat antiserum
- T-4541: anti Secretin (po) diluted antiserum
- T-4543: anti Secretin (po) neat antiserum

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

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