



BMA BIOMEDICALS



Peninsula Laboratories

S-1406 Somatostatin-28 ELISA

Somatostatin-28 is a 28-residue peptide that occurs naturally in mammals. It is a precursor of Somatostatin-14 which it contains at its N-terminus. Both are pharmacological inhibitors, even though they differ in certain specific effects. The shorter 14-mer Somatostatin is a cyclic oligopeptide with a short biological half-life, found in the gastrointestinal tract and the pancreas, as well as in the central and peripheral nervous systems. Analogs of Somatostatin have been developed for therapeutic application, such as Octreotide.

This ELISA was developed with serum from rabbits immunized with Somatostatin-28 coupled to a carrier protein.

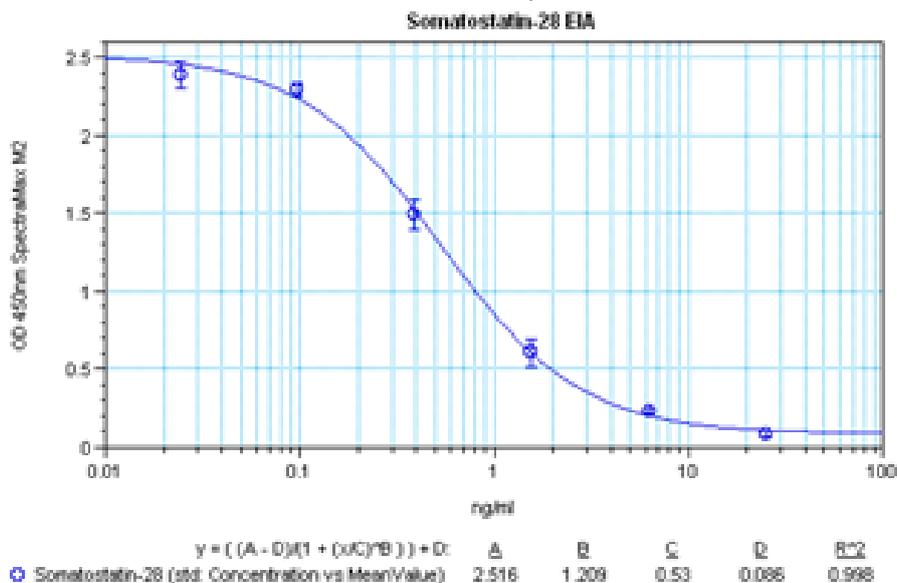
TECHNICAL AND ANALYTICAL CHARACTERISTICS

- Lot number:** A09239
- 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.
- Immunogen:** Synthetic peptide H-Ser-Ala-Asn-Ser-Asn-Pro-Ala-Met-Ala-Pro-Arg-Glu-Arg-Lys-Ala-Gly-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys-OH (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

Peptide:	%
Somatostatin-28	100
Somatostatin-25	100
Somatostatin-28 (1-12)	<0.01
Somatostatin-14	0
Prosomatostatin-32	0
Substance P	0
Amylin (human)	0
CCK Octapeptide(desulfated)	0
VIP (human, bovine, rat, porcine)	0
Insulin (human)	0

Typical titration curve of Somatostatin-28 in this competitive ELISA:



Suggested Preparation of Standards		
	ng/ml	Range: 0.02 to 25ng/ml
Stock	1000	
S1	25.00	Add 25µl Stock + 975µl diluent
S2	6.25	Add 200µl S1 + 600µl diluent
S3	1.56	Add 200µl S2 + 600µl diluent
S4	0.39	Add 200µl S3 + 600µl diluent
S5	0.10	Add 200µl S4 + 600µl diluent
S6	0.02	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4545: diluted antiserum
 T-4546: purified IgG
 T-4547: neat antiserum

S-1406

EIAH

22.5.2020