



BMA BIOMEDICALS



Peninsula Laboratories

T-4547

Rabbit anti Somatostatin-28

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 antibody was generated by immunization of rabbits with Somatostatin-28 coupled to a carrier protein.

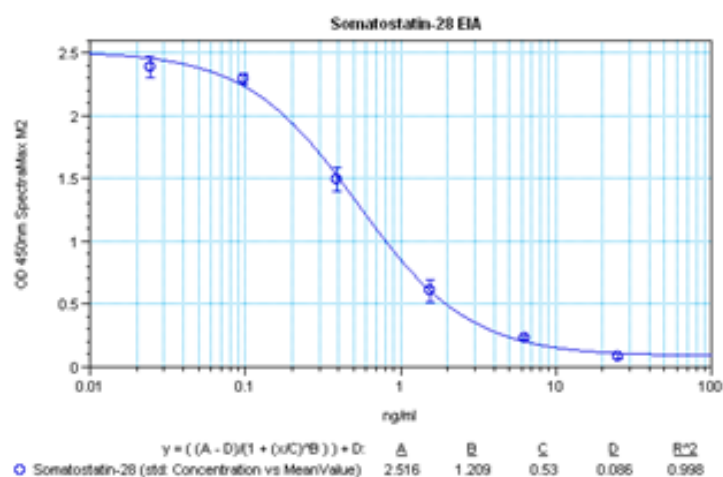
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO25032
Host species:	Rabbit IgG
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Somatostatin-28 and in immunohistochemistry (IHC). Other applications like FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. 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 a competitive ELISA with this antibody:



Related Products: T-4545: diluted antiserum
T-4546: purified IgG
S-1406: ELISA, high sensitivity for extracted samples

This product contains no preservative and is intended for laboratory use and research purposes only.