



BMA BIOMEDICALS



Peninsula Laboratories

T-4103

Rabbit anti Somatostatin-14

Somatostatin-14 is a naturally occurring 14-residue peptide. It is found in the gastrointestinal tract and the pancreas, as well as in the central and peripheral nervous systems. Somatostatin-14 is a cyclic oligopeptide, which in mammals is found as a shorter 14-mer and a longer 28-mer. Because of its short biological half-life (few minutes), analogues have been developed for therapeutic application, such as Octreotide.

This antibody was generated by immunization of rabbits with Somatostatin-14 coupled to a carrier protein.

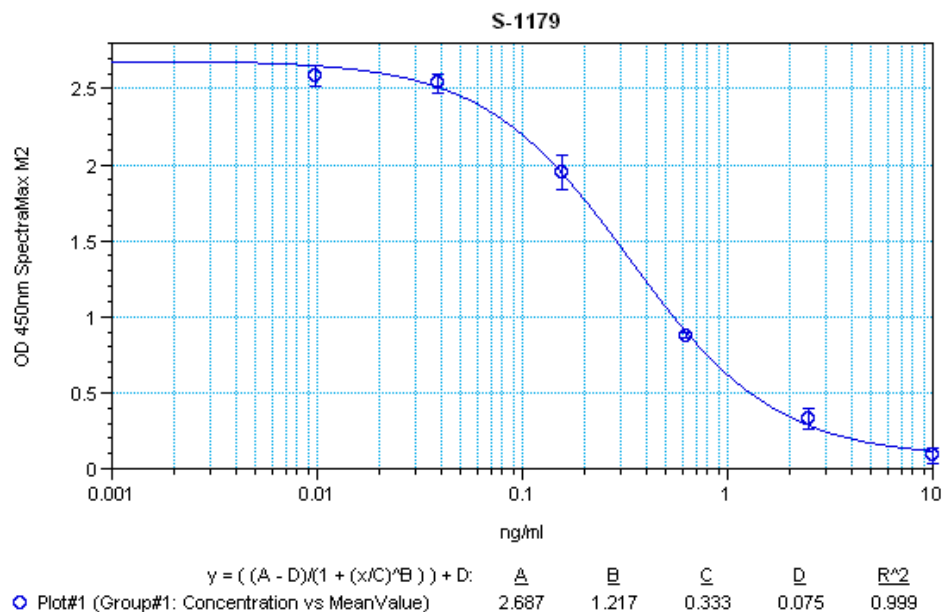
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO2155
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-14 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-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-14	100
Somatostatin-28	100
Somatostatin-25	100
[Des-Ala1]-Somatostatin-14	100
[D-Trp8]-Somatostatin-14	0.05
Prosomatostatin (1-32) (porcine)	0.002
Somatostatin Analog, RC-160	0
H-D-Phe-Cys-Tyr-D-Trp-Orn-Thr-Pen-Thr-NH ₂	0
Substance P	0
NPY (porcine)	0
VIP (human, bovine, rat, porcine)	0
Insulin (human)	0
Glucagon (1-29) (human)	0
Amylin (human)	0

Typical titration curve of Somatostatin-14 in a competitive ELISA with this antibody:



Related Products:

- T-4101: diluted antiserum
- T-4102: purified IgG
- S-1179: ELISA, high sensitivity for extracted samples
- S-1152: ELISA, extraction-free for human samples
- S-1164: ELISA, extraction-free for rat samples

This product contains no 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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neat antiserum

27.5.2020