



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:	A23PO25010
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 immunohistochemistry (IHC) and in ELISA against Somatostatin-14. Other applications like FACS or Western Blot may work as well. Please see www.bma.ch for protocols and general information. Approximate working dilution for IHC: Paraffin sections: (1:800) after proteinase K pretreatment. Optimal dilutions should be determined by the end user.
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

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.