



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: | A24PO25094 |
| 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.