



BMA BIOMEDICALS



Peninsula Laboratories

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## Rabbit anti Calcitonin (salmon I)

Calcitonin is a 32 amino acid peptide hormone that defines the calcitonin-like protein family. It is formed by the proteolytic cleavage of a larger prepropeptide, which is the product of the CALC1 gene and secreted by parafollicular cells of the thyroid gland in humans, and in the ultimopharyngeal body in animals. The hormone participates in calcium and phosphorus metabolism by reducing blood calcium, and counteracts the effects of parathyroid hormone and Vitamin D3.

This antibody was generated by immunization of rabbits with Calcitonin coupled to a carrier protein.

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

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| <b>Catalog Number:</b>        | T-4026 (Lot A14542)                                                                                                                                                                                                                             |
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                                                                                                      |
| <b>Host species:</b>          | Rabbit IgG                                                                                                                                                                                                                                      |
| <b>Reactivity:</b>            | Human                                                                                                                                                                                                                                           |
| <b>Quantity:</b>              | 400µg                                                                                                                                                                                                                                           |
| <b>Format:</b>                | Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.<br><br>Reconstitute by adding 0.2ml of distilled water. |
| <b>Stability and Storage:</b> | Original vial: 1 year at 4° - 8°C from date of purchase.<br>Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.                                                                                                     |
| <b>Immunogen:</b>             | Synthetic peptide H-Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn-Thr-Gly-Ser-Gly-Thr-Pro-NH <sub>2</sub> , (Disulfide bond) coupled to carrier protein.                              |
| <b>Protein database:</b>      | <u><a href="#">salmon-P01263</a></u>                                                                                                                                                                                                            |

**Cross-Reactivity:**

| PEPTIDE                                        | %   |
|------------------------------------------------|-----|
| Calcitonin (salmon I)                          | 100 |
| Calcitonin (eel)                               | 100 |
| [Asu <sup>1,7</sup> ]-Calcitonin (eel)         | 100 |
| Calcitonin (chicken)                           | 100 |
| Calcitonin (human)                             | 0   |
| Calcitonin (rat)                               | 0   |
| Calcitonin C-terminal Flanking Peptide (human) | 0   |
| Calcitonin C-Terminal Adjacent Peptide (rat)   | 0   |
| Amylin (free acid) (human)                     | 0   |
| Amylin (rat)                                   | 0   |
| $\alpha$ -CGRP (human)                         | 0   |
| pTH Related Protein (1-34) (human, rat))       | 0   |

**Applications:**

Tested in ELISA against Calcitonin and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Optimal dilutions should be determined by the end user

Please see [www.bma.ch](http://www.bma.ch) for protocols and general information

**Related Products:**

S-1154: ELISA extraction-free for human serum and plasma samples.

S-1155: ELISA extraction-free for rat serum and plasma samples

S-1166: ELISA high sensitivity for extracted samples

S-1470: ELISA extraction-free for mouse serum and plasma samples

T-4025: Rabbit anti Calcitonin, diluted antiserum

T-4027: Rabbit anti Calcitonin, neat antiserum

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

