



BMA BIOMEDICALS



Peninsula Laboratories

T-4234

Rabbit anti Calcitonin (rat) [UniProt: P01256]

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	033900
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
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 Calcitonin. Other applications like immunohistochemistry (IHC), 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-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Leu-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ser-Ile-Gly-Val-Gly-Ala-Pro-NH ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Calcitonin (rat)	100
Calcitonin (human)	87
α -CGRP (human)	0.1
Calcitonin (salmon I)	0
Calcitonin (eel)	0
Calcitonin (chicken)	0
α -CGRP (rat)	0
Amylin (rat)	0
Amylin (human)	0
Calcitonin C-Terminal Adjacent Peptide (rat)	0
Calcitonin C-terminal Flanking Peptide (human)	0

Related Products: S-1197: ELISA, high sensitivity for extracted samples (rt)
S-1138: ELISA, extraction-free for serum and plasma samples
T-4235: anti Calcitonin (rt) neat antiserum
T-4233: anti Calcitonin (rt) diluted antiserum

This product contains Thimerosal as a 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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rabbit IgG – rt

7.7.2020

