



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Calcitonin

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 to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4233
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Rat
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Reconstitute by adding 1.0 ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
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.
Protein database:	rat-P01256
Cross-Reactivity:	

PEPTIDE	%
Calcitonin (rat)	100
Calcitonin (human)	87
Calcitonin (salmon I)	0
Calcitonin (eel)	0

Cross-Reactivity:

PEPTIDE	%
Calcitonin (chicken)	0
α -CGRP (human)	0.1
α -CGRP (rat)	0
Amylin (rat)	0
Amylin (free acid) (human)	0
Calcitonin C-Terminal Adjacent Peptide (rat)	0
Calcitonin C-Terminal Flanking Peptide (human)	0

Applications:

Tested 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 **bma.ch** for protocols and general information.

Related Products:

S-1155: ELISA, extraction-free for rat serum and plasma samples, (salmon I)

T-4230: Rabbit anti Calcitonin, purified IgG, (hu)

T-4231: Rabbit anti Calcitonin, neat antiserum, (hu)

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