



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4229

### Rabbit anti Calcitonin (human) [UniProt: P01258]

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.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml
<b>Format:</b>	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	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.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Phe-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val-Gly-Ala-Pro-NH <sub>2</sub> , (Disulfide bond) coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE</b>	<b>%</b>
Calcitonin (human)	100
Calcitonin (rat)	5.4
Calcitonin C-Terminal Adjacent Peptide (rat)	0.001
Calcitonin (eel)	0
Calcitonin (salmon I)	0
Calcitonin (chicken)	0
Amylin amide (human)	0
$\alpha$ -CGRP (human)	0

Related Products: S-1196: ELISA, high sensitivity for extracted samples (hu)  
T-4230: anti Calcitonin (hu) purified IgG  
T-4231: anti Calcitonin (hu) neat antiserum  
S-1441: ELISA, extraction-free for serum/plasma samples

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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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diluted antiserum – hu

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