



BMA BIOMEDICALS



Peninsula Laboratories

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**T-4241**  
**Rabbit anti  $\beta$ -Calcitonin Gene-Related Peptide (human)**  
**[UniProt: P10092]**

$\beta$ -Calcitonin Gene-Related Peptide ( $\beta$ -CGRP) is a 37-amino acid peptide involved extensively in regulation of the cardiovascular and nervous systems.  $\beta$ -CGRP contains a disulphide bridge at the N-terminus, a C-terminal phenylalanine amide important for immune recognition, and an  $\alpha$ -helix between residues 8 and 18.

This antibody was generated by immunization of rabbits with  $\beta$ -Calcitonin Gene-Related Peptide coupled to a carrier protein.

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**TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	950230-2
<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 $\beta$ -CGRP. 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-Ala-Cys-Asn-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Met-Val-Lys-Ser-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH <sub>2</sub> , (Disulfide bond) coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE</b>	<b>%</b>
$\beta$ -CGRP (human)	100
$\alpha$ -CGRP (human)	100
$\alpha$ -CGRP (rat)	100
Amylin (free acid) (human)	<0.01
Amylin amide (human)	0
Amylin (rat)	<0.01
Calcitonin (human)	0
VIP (human, porcine, rat)	0
Substance P	0
Somatostatin-14	0

Related Products: T-4242: anti  $\beta$ -CGRP (hu), purified IgG, host: rabbit  
T-4243: anti  $\beta$ -CGRP (hu) neat antiserum, host: rabbit  
S-1200: ELISA, high sensitivity, for extracted samples (hu)

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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.

T-4241

diluted antiserum –hu

11.8.2020