



BMA BIOMEDICALS



Peninsula Laboratories

T-4242

Rabbit anti β -Calcitonin Gene-Related Peptide (human) [UniProt: P10092]

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

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A05095
Host species:	Rabbit IgG
Quantity:	400 μ g
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 $^{\circ}$ - 8 $^{\circ}$ C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20 $^{\circ}$ C or below.
Applications:	This antibody has been tested and validated in ELISA against β -Calcitonin Gene-Related Peptide. 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-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 ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
β -CGRP (human)	100
α -CGRP (human)	100
α -CGRP (rat)	100
Amylin (human)	<0.01
Amylin (rat)	<0.01
Amylin (human)	0
Calcitonin (human)	0
VIP (human, bovine, porcine, rat)	0
Substance P	0
Somatostatin-14	0

Related Products: T-4243: anti β -CGRP (hu) neat antiserum, host: rabbit
T-4241: anti β -CGRP (hu) diluted antiserum, host: rabbit
S-1200: ELISA, high sensitivity, for extracted samples (hu)

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 – hu

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