



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti β -Calcitonin Gene-Related Peptide

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

Catalog Number:	T-4242 (Lot A05095)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400 μ g
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml 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-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.
Protein database:	<u>human-P06881</u>
Cross-Reactivity:	

PEPTIDE	%
β -CGRP (human)	100
α -CGRP (human)	100
α -CGRP (rat)	100
Amylin (human)	<0.01
Amylin (rat)	<0.01

Cross-Reactivity:

PEPTIDE	%
Amylin (human)	0
Calcitonin (human)	0
VIP (human, bovine, porcine, rat)	0
Substance P	0
Somatostatin-14	0

Applications:

Tested in ELISA against β -CGRP and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:1000); pretreatment with Proteinase K for antigen retrieval is recommended

Optimal dilutions should be determined by the end user

Please see **www.bma.ch** for protocols and general information

Related Products:

T-4243: Rabbit anti β -CGRP, neat antiserum
T-4241: Rabbit anti β -CGRP, diluted antiserum
T-4238: Rabbit anti α -CGRP, purified antiserum
S-1200: ELISA high sensitivity, for extracted samples

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