



BMA BIOMEDICALS



Peninsula Laboratories

T-4031

Rabbit anti α -Calcitonin Gene-Related Peptide (canine, mouse, rat) [UniProt: Q9MYV1, Q99JA0, P01256]

α -Calcitonin Gene-Related Peptide (α -CGRP) is a regulatory neuropeptide of 37 amino acids and is formed by the alternative splicing of the calcitonin / CGRP gene located on chromosome 11. It is widely distributed in both the peripheral and central nervous system, predominantly in cell bodies of the dorsal root ganglion (DRG) and it is known to be a potent vasodilator with inotropic and chronotropic effects.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A03398
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 ^o - 8 ^o C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20 ^o C or below.
Applications:	This antibody has been tested and validated in ELISA against α -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-Ser-Cys-Asn-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asp-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Glu-Ala-Phe-NH ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
α -CGRP (rat)	100
α -CGRP (human)	36
β -CGRP (rat)	79
β -CGRP (human)	17
Amylin (rat)	<0.01
Amylin (free acid) (human)	<0.001
Calcitonin (rat)	0
Somatostatin-14	0

Related Products: S-1167: ELISA, high sensitivity for extrated samples (cn, ms, rt)
T-4030: anti α -CGRP (cn, ms, rt) diluted antiserum, host: rabbit
T-4032: anti α -CGRP (cn, ms, rt) neat antiserum, host: rabbit
T-5053: anti α -CGRP (cn, ms, rt) neat antiserum, host: guinea pig

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 – cn, ms, rt

6.8.2020