



BMA BIOMEDICALS



Peninsula Laboratories

T-5026

Guinea pig anti α -Calcitonin Gene-Related Peptide (human) [UniProt: P06881]

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 guinea pigs with α -Calcitonin Gene-Related Peptide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	950632-6
Host species:	Guinea pig
Quantity:	50ml
Format:	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 ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Stability:	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.
Applications:	This antibody has been tested and validated in ELISA against α -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 www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Ala-Cys-Asp-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE		%
alpha-CGRP(human)	100	100
alpha-CGRP (rat)	25	0
alpha-CGRP(8-37)(human)	100	28
CGRP(chicken)	30	0
beta-CGRP (human)	100	13.5
Amylin(human)	8	0
Amylin(rat)	0	0
Calcitonin (human)	0	0
Calcitonin (salmon I)	0	0

Related Products: T-4238: anti α -CGRP (hu), purified IgG, host: rabbit
T-4239: anti α -CGRP (hu) neat antiserum, host: rabbit
T-5027: anti α -CGRP (hu) neat antiserum, host: guinea pig
T-4537: anti- α -CGRP (hu), diluted antiserum, host: rabbit
S-1198: α -CGRP (hu) ELISA, extraction-free for serum/plasma samples

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-5026

diluted antiserum –hu

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