



BMA BIOMEDICALS



Peninsula Laboratories

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**T-4239**

**Rabbit anti  $\alpha$ -Calcitonin gene-related peptide ( $\alpha$ -CGRP)  
(human) [UniProt: P06881]**

Calcitonin gene-related peptide (CGRP) is a member of the calcitonin family of peptides, which in human exists in two forms:  $\alpha$ -CGRP and  $\beta$ -CGRP.  $\alpha$ -CGRP, also known as CGRP I, is a 37-amino acid regulatory neuropeptide formed from the alternative splicing of the calcitonin/CGRP gene located on chromosome 11. While,  $\beta$ -CGRP differs from  $\alpha$ -CGRP by three amino acids and is encoded in a separate gene within the same vicinity.  $\alpha$ -CGRP is widely distributed in the central and peripheral nervous system and it is known to be the most potent vasodilator with inotropic and chronotropic effects.

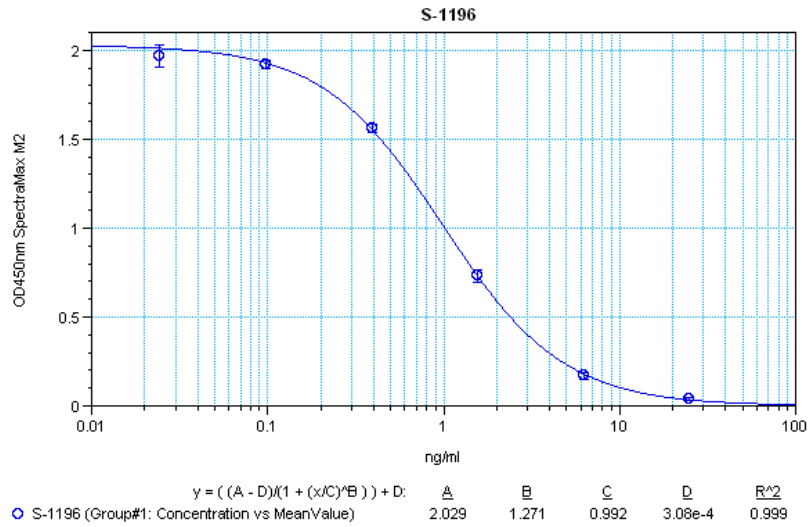
This antibody was generated by immunization of rabbits with Calcitonin coupled to a carrier protein.

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**TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A15683
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50 $\mu$ l
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 $\mu$ l distilled water. This will give the equivalent of undiluted antiserum.
<b>Stability:</b>	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.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Calcitonin. 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-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Phe-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val-Gly-Ala-Pro-NH <sub>2</sub> , (Disulfide bond) coupled to carrier protein.

Typical titration curve of Calcitonin in a competitive ELISA with this antibody:



Related Products: T-4229:anti Calcitonin (hu) diluted antiserum  
T-4230: anti Calcitonin (hu) purified IgG  
S-1196: ELISA, high sensitivity for extracted samples (hu)  
S-1441: ELISA, extraction-free for serum/plasma samples

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This product contains no 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-4231

neat antiserum - hu

11.8.2020