Calcitonin Antibody

Mouse Monoclonal Antibody [Clone CALCA/14443]

Catalog No	Format	Size
796-MSM14-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
796-MSM14-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
796-MSM14-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	CALCA/14443
Immunogen	Recombinant fragment (around aa 1-141) of human CALCA protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	13.9kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Expressed in spinal cord

**Optimal dilution for a specific application should be determined.*

Product Images for Calcitonin Antibody

Specificity & Comments

CGRP1/CALCA is a peptide hormone that induces vasodilation mediated by the CALCRL-RAMP1 receptor complex (PubMed:1318039, PubMed:33602864, PubMed:9620797). Dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role (PubMed:3492492). It also elevates platelet cAMP (PubMed:1318039). CGRP1 can also bind and activate CALCR-RAMP1 (AMYR1) receptor complex (PubMed:38603770).

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.