

## Anti-Calcitonin/Calca Antibody APC Conjugated

Catalog Number: A02352-APC

### About Calca

Calcitonin, also known as CALCA, is a peptide hormone synthesized by the parafollicular cells of the thyroid. It is mapped to 11p15.2. Calcitonin belongs to the calcitonin-like protein family. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.

### Overview

Product Name	Anti-Calcitonin/Calca Antibody APC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P70160

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Calcitonin, which shares 90.6% and 96.9% amino acid (aa) sequence identity with human and rat Calcitonin, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

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1. PubMed ID: 10.1016/j.jdiacomp.2013.08.001, STZ treatment induced apoptosis of retinal cells and effect of up-regulation of calcitonin gene related peptide in rats

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Anti-Calcitonin/Calca Antibody - APC

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