

For Research Use Only

# CALCA/CGRP Recombinant antibody

Catalog Number:83774-1-RR



## Basic Information

<b>Catalog Number:</b> 83774-1-RR	<b>GenBank Accession Number:</b> NM_001741.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 796	<b>CloneNo.:</b> 240753G2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01258-1	<b>Recommended Dilutions:</b> IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> calcitonin-related polypeptide alpha	
	<b>Calculated MW:</b> 15kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> IF/ICC : TT cells,
<b>Species Specificity:</b> human	

## Background Information

Calcitonin gene-related peptide (CGRP) is a 37-amino acid neuropeptide, which is primarily localized to C and A $\delta$  sensory fibers. These fibers display a wide innervation throughout the body, with extensive perivascular localization, and have a dual role in sensory (nociceptive) and efferent (effector) function. Discovered 30 years ago, it is produced as a consequence of alternative RNA processing of the calcitonin gene. CGRP has two major forms ( $\alpha$  and  $\beta$ ).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

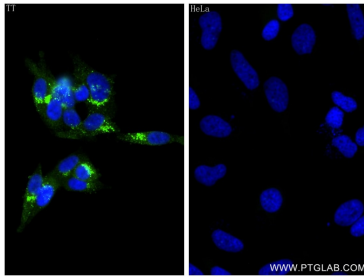
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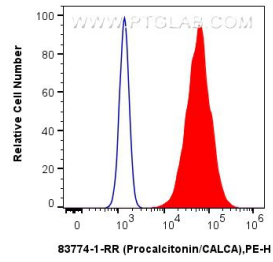
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed TT cells using Procalcitonin/CALCA antibody (83774-1-RR, Clone: 240753G2) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), (negative control: HeLa cells)



1x10<sup>6</sup> TT cells were intracellularly stained with 0.25 ug Procalcitonin/CALCA Recombinant Antibody (83774-1-RR, Clone:240753G2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).