

For Research Use Only

# CoraLite®594-conjugated Chromogranin A Monoclonal antibody



Catalog Number:CL594-60135

## Basic Information

<b>Catalog Number:</b> CL594-60135	<b>GenBank Accession Number:</b> BC006459	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1113	<b>CloneNo.:</b> 3H11C11
<b>Source:</b> Mouse	<b>Full Name:</b> chromogranin A (parathyroid secretory protein 1)	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 51 kDa	
<b>Immunogen Catalog Number:</b> AG0807	<b>Observed MW:</b> 70 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, rat, pig, mouse

## Background Information

Chromogranin A is a member of the granin family of neuroendocrine secretory proteins. It is located in secretory vesicles of neurons and endocrine cells. Chromogranin A is the precursor to several functional peptides including vasostatin, pancreastatin, catestatin and parastatin. These peptides negatively modulate the neuroendocrine function of the releasing cell (autocrine) or nearby cells (paracrine). CgA is one of the most used tumor markers in NET's (neuroendocrine tumors), and elevated CgA concentrations have been demonstrated in serum or plasma of patients with different types of these tumors.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

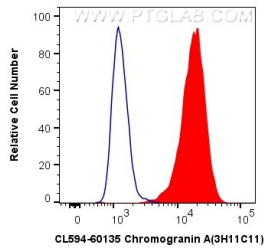
Aliquoting is unnecessary for -20°C storage

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

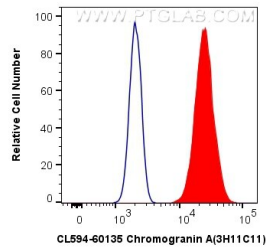
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



$1 \times 10^6$  SH-SY5Y cells were intracellularly stained with 0.8  $\mu$ g CoraLite®594 Anti-Human Chromogranin A (CL594-60135, Clone:3H11C11) (red), or 0.8  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



$1 \times 10^6$  Neuro-2a cells were intracellularly stained with 0.8  $\mu$ g CoraLite®594 Anti-Human Chromogranin A (CL594-60135, Clone:3H11C11) (red), or 0.8  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).