

For Research Use Only

# CoraLite®594-conjugated Chromogranin A Monoclonal antibody

Catalog Number:CL594-60135



## Basic Information

Catalog Number:

CL594-60135

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0807

GenBank Accession Number:

BC006459

GeneID (NCBI):

1113

UNIPROT ID:

P10645

Full Name:

chromogranin A (parathyroid  
secretory protein 1)

Calculated MW:

51 kDa

Observed MW:

70 kDa

Purification Method:

Protein G purification

CloneNo.:

3H11C11

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF/ICC : Neuro-2a cells,

## 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

Aliquoting is unnecessary for -20°C storage

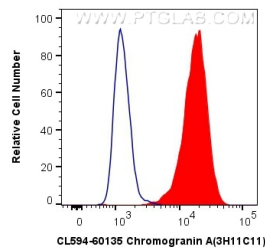
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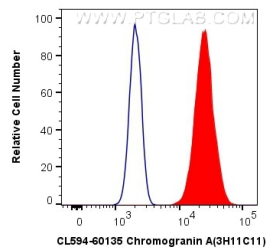
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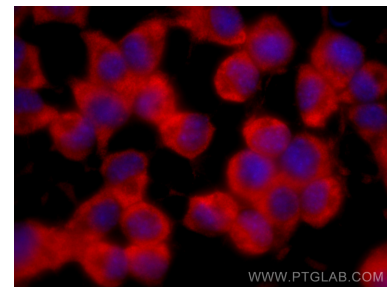
## Selected Validation Data



1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human Chromogranin A (CL594-60135, Clone:3H11C11) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1X10<sup>6</sup> Neuro-2a cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human Chromogranin A (CL594-60135, Clone:3H11C11) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed Neuro-2a cells using CoraLite®594 Chromogranin A antibody (CL594-60135, Clone: 3H11C11 ) at dilution of 1:200.