

For Research Use Only



CoraLite® Plus 488 Anti-Human Chromogranin A Rabbit Recombinant Antibody

Catalog Number: **CL488-98570**

Basic Information

Catalog Number: CL488-98570	GenBank Accession Number: BC006459	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 1113	CloneNo.: 251239G9
Source: Rabbit	UNIPROT ID: P10645	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: chromogranin A (parathyroid secretory protein 1)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG4794	Calculated MW: 51 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : SH-SY5Y cells,
Species Specificity: human	

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 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

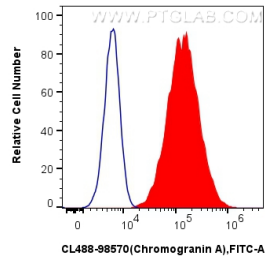
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.25 ug CoraLite® Plus 488 Anti-Human Chromogranin A Rabbit RecAb (CL488-98570, Clone:251239G9) (red), or CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).