

For Research Use Only

CoraLite® Plus 488-conjugated CD70 Recombinant monoclonal antibody

Catalog Number: CL488-84455-2



Basic Information

Catalog Number: CL488-84455-2	GenBank Accession Number: BC000725	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 970	CloneNo.: 241324B12
Source: Rabbit	UNIPROT ID: P32970	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: CD70 molecule	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 21 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Raji cells,
Species Specificity: human	

Background Information

CD70, also known as tumor necrosis factor ligand superfamily member 7 (TNFSF7) or CD27 ligand (CD27L), is a transmembrane protein that plays a significant role in the immune system. It is the unique ligand for CD27, a member of the tumor necrosis factor receptor (TNFR) family, and is transiently upregulated upon stimulation of immune cells. CD70 is expressed on lymphocytes and dendritic cells, and its expression can be regulated by activation signals received via toll-like receptors (TLRs), CD40, and the antigen receptor MHC II. It provides complex and not completely understood signaling for B cell development. CD70 is also expressed on various solid tumors and hematolymphoid malignancies, where it may contribute to a poor prognosis.

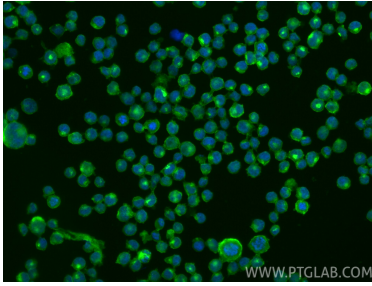
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CoraLite® Plus 488 CD70 antibody (CL488-84455-2, Clone: 241324B12) at dilution of 1:200.