

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD70 Rabbit Recombinant Antibody

Catalog Number: CL647-98212



## Basic Information

Catalog Number: CL647-98212	GenBank Accession Number: NM_011617.2	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 21948	CloneNo.: 241553F2
Source: Rabbit	UNIPROT ID: O55237	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	Full Name: CD70 antigen	
Immunogen Catalog Number: EG1294	Calculated MW: 22 kDa	

## Applications

Tested Applications: FC	Positive Controls: FC : LPS-treated mouse splenocytes,
Species Specificity: mouse	

## 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. (PMID: 34991665; 26213107; 26098609)

## 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, pH7.3

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

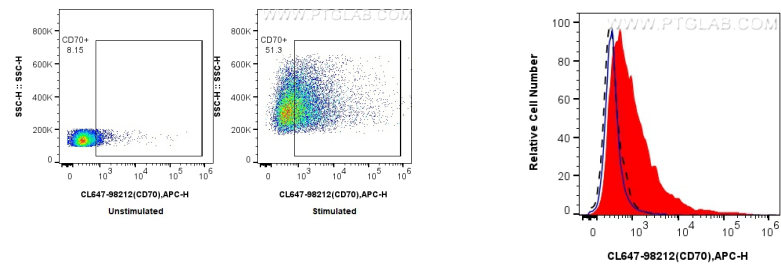
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



1x10<sup>6</sup> untreated or LPS-treated (3 days) mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD70 Rabbit RecAb (CL647-98212, Clone: 241553F2). Cells were not fixed.

1x10<sup>6</sup> LPS-treated (3 days) mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD70 Rabbit RecAb (CL647-98212, Clone: 241553F2) (red) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD70 Rabbit RecAb (CL647-98212, Clone: 241553F2) (black, dashed). Cells were not fixed.