

For Research Use Only

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

Catalog Number: CL647-98212



## Basic Information

Catalog Number:

CL647-98212

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1294

GenBank Accession Number:

NM\_011617.2

GeneID (NCBI):

21948

UNIPROT ID:

O55237

Full Name:

CD70 antigen

Calculated MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

241553F2

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : LPS-treated mouse splenocytes,

## 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

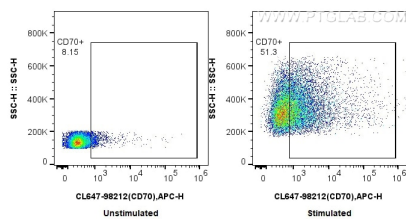
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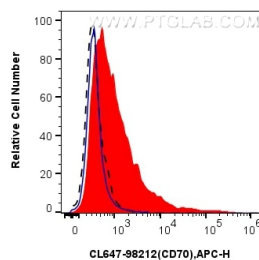
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



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).

