

For Research Use Only

CoraLite®594 Anti-Mouse CD70 Rabbit Recombinant Antibody

Catalog Number: CL594-98212



Basic Information

Catalog Number:

CL594-98212

Concentration:

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

Recommended Dilutions:

FC: 0.5 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 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

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

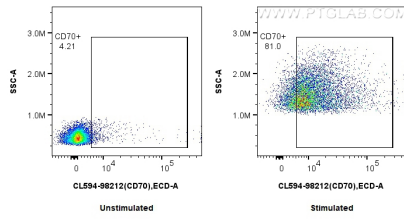
T: 4006900926

E: Proteintech-CN@ptglab.com

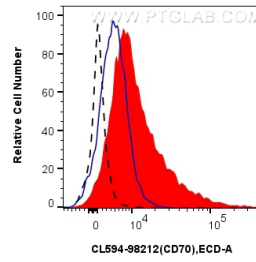
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Selected Validation Data



1x10⁶ untreated (left) or LPS treated (right) mouse splenocytes were surface stained with 0.25 ug CoraLite®594 Anti-Mouse CD70 Rabbit RecAb (CL594-98212, Clone: 241553F2). Cells were not fixed.



1x10⁶ LPS treated mouse splenocytes were surface stained with 0.5 ug CoraLite®594 Anti-Mouse CD70 Rabbit RecAb (CL594-98212, Clone: 241553F2) (red) or CoraLite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9) (blue). Untreated mouse splenocytes were surface stained with 0.5 ug CoraLite®594 Anti-Mouse CD70 Rabbit RecAb (CL594-98212, Clone: 241553F2) (black, dashed). Cells were not fixed.