

For Research Use Only

# FcZero-rAb® Biotin Anti-Human CD70 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98098



## Basic Information

**Catalog Number:**

Biotin-FcA98098

**Size:**

100ug, 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC000725

**GeneID (NCBI):**

970

**UNIPROT ID:**

P32970

**Full Name:**

CD70 molecule

**Calculated MW:**

21 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241325D8

**Recommended Dilutions:**

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

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## Applications

**Tested Applications:**

FC, ELISA

**Species Specificity:**

human

**Positive Controls:**

FC : U266 cells,

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide, pH7.3

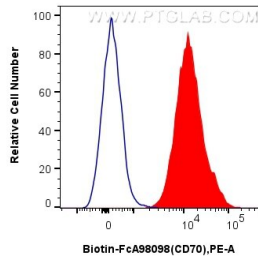
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



1x10<sup>6</sup> U266 cells were surface stained with 0.25 ug Biotin Anti-Human CD70 Rabbit RecAb (Biotin-FcA98098, Clone: 241325D8) (red) or 0.25 ug FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.