

For Research Use Only

Anti-Human CD70 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98098-1-PBS



Basic Information

Catalog Number:

98098-1-PBS

Concentration:

1mg, 2 mg/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

Applications

Tested Applications:

FC

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only

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

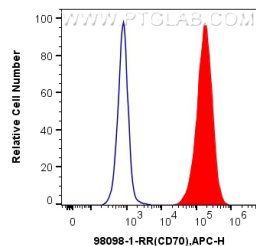
T: 4006900926

E: Proteintech-CN@ptglab.com

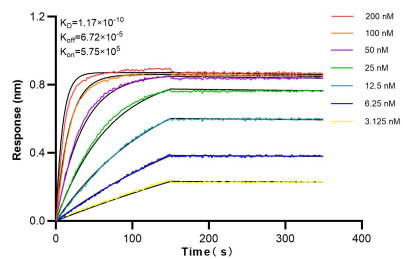
W: ptgcn.com

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Selected Validation Data



1x10⁶ U266 cells were stained with 0.25 ug Anti-Human CD70 Rabbit Recombinant Antibody (98098-1-RR, Clone:241325D8) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98098-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98098-1-RR against Human CD70 were performed. The affinity constant is 0.117 nM.