

For Research Use Only

Anti-Mouse CD70 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98212-1-PBS



Basic Information

Catalog Number: 98212-1-PBS	GenBank Accession Number: NM_011617.2	Purification Method: Protein A purification
Concentration: 1mg, 2 mg/ml	GeneID (NCBI): 21948	CloneNo.: 241553F2
Source: Rabbit	UNIPROT ID: O55237	
Isotype: IgG	Full Name: CD70 antigen	
Immunogen Catalog Number: EG1294	Calculated MW: 22 kDa	

Applications

Tested Applications:
FC

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

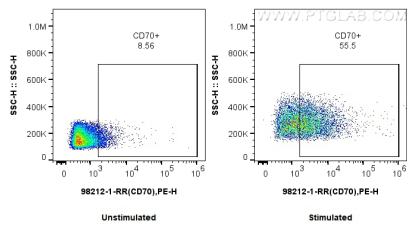
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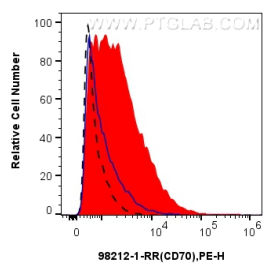
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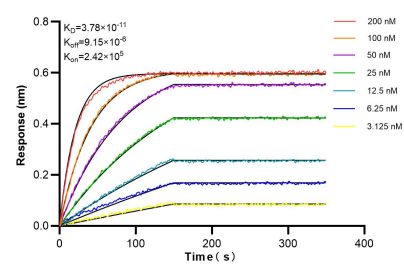
Selected Validation Data



1x10⁶ LPS treated Mouse splenic leucocytes were stained with 0.25 ug Anti-Mouse CD70 Rabbit Recombinant Antibody (98212-1-RR, Clone:241553F2) or 1x10⁶ LPS untreated Mouse splenic leucocytes were stained with 0.25 ug Anti-Mouse CD70 Rabbit Recombinant Antibody (98212-1-RR, Clone:241553F2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98212-1-PBS in a different storage buffer formulation.



1x10⁶ LPS treated mouse splenic leukocytes were surface stained with 0.25 ug Anti-Mouse CD70 Rabbit Recombinant Antibody (98212-1-RR, Clone: 241553F2) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ LPS treated Mouse splenic leucocytes were surface stained with 0.25 ug Anti-Mouse CD70 Rabbit Recombinant Antibody (98212-1-RR, Clone: 241553F2) (black, dashed) and PE-



Biolayer interferometry (BLI) kinetic assays of 98212-1-RR against Mouse CD70 were performed. The affinity constant is 37.8 pM.