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CD70 Protein (AA 52-193) (Fc Tag)



Images



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Quantity:	100 μg
Target:	CD70
Protein Characteristics:	AA 52-193
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD70 protein is labelled with Fc Tag.

Product Details	
Sequence:	AA 52-193
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per μg by the LAL method.
Target Details	
Target:	CD70

Target:	CD70
Alternative Name:	CD27 Ligand (CD70 Products)
Background:	Cluster of Differentiation 70 (CD70) is also known as CD27 ligand (CD27L / CD27LG), TNFSF7,
	TNFSF7G, is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF)
	and is a surface antigen found on activated T-and B-lymphocytes and mature dendritic cells.
	Binding of CD70 to its receptor CD27 induces in priming, effector functions, differentiation and

memory formation of T-cells, and thus is invloved in the biological processes including T-cell activation, the proliferation of costimulated T-cells, as well as the generation of cytolytic T-cells. CD70 on T cells provides costimulatory signals that are required for T cell proliferation, clonal expansion and the promotion of effector T cell formation. CD70 on mouse B cell has been shown to inhibit terminal differentiation of activated B cells into plasma cells and enhances commitment to memory B cell responses. CD70 induces proliferation and IFNy production, on NK cells.

Molecular Weight:	74.1 kDa
NCBI Accession:	NP_001243
Pathways:	Cancer Immune Checkpoints

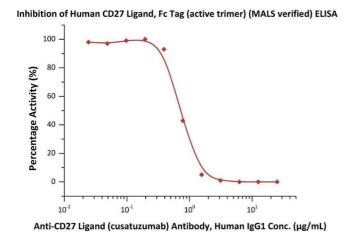
Application Details

Restrictions: For Research Use only

Handling

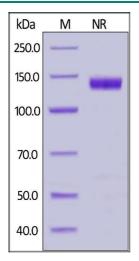
Format:	Lyophilized
Buffer:	Tris, Glycine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Validation report #104441 for Multiplex Immunohistochemistry (mIHC)



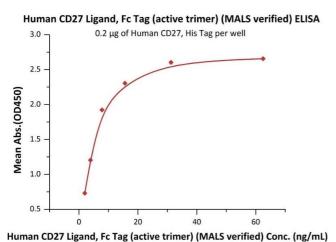
ELISA

Image 1. Serial dilutions of A Ligand (cusatuzumab) Antibody, Human IgG1 were added into Human CD27 Ligand, Fc Tag (active trimer) (MALS verified) (ABIN6951036,ABIN6952263): Biotinylated Human CD27, Fc,Avitag (ABIN4949011,ABIN4949012) binding reactions. The half maximal inhibitory concentration (IC50) is 0.74034 μg/mL (Routinely tested).



SDS-PAGE

Image 2. Human CD27 Ligand, Fc Tag (active trimer) (MALS verified) on under ing (NR) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than $95\,\%$.



ELISA

Image 3. Immobilized Human CD27, His Tag (ABIN5955005,ABIN6253520) at $2 \mu g/mL$ (100 $\mu L/well$) can bind Human CD27 Ligand, Fc Tag (active trimer) (MALS verified) (ABIN6951036,ABIN6952263) with a linear range of 0.2-8 ng/mL (QC tested).