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Datasheet for ABIN7321254 **CD70 Protein (His tag)**

Image



Overview

Quantity:	50 µg
Target:	CD70
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD70 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat TNFSF7/CD70 Protein (His Tag)(Active)
Sequence:	GIn46-Pro195
Characteristics:	A DNA sequence encoding the rat CD70 (NP_001100348) (Gln46-Pro195) was expressed, fused with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method
Biological Activity Comment:	1.Measured by its binding ability in a functional ELISA.2.Immobilized rat His-CD70 at 10μg/mL (100μL/well) can bind mouse CD27-Fch , the EC50 of mouse CD27-Fch is 10-50ng/mL.

Target Details

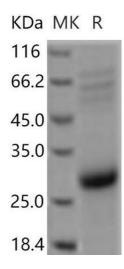
Target:

CD70

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Target Details				
Alternative Name:	TNFSF7/CD70 (CD70 Products)			
Background:	Background: CD70, a member of the tumor necrosis factor superfamily, is restricted to			
	activated T-and B-lymphocytes and mature dendritic cells. Binding of CD70 to its receptor,			
	CD27, is important in priming, effector functions, differentiation and memory formation of T-			
	cells as well as plasma and memory B-cell generation. Tight control of CD70 expression is			
	required to prevent lethal immunodeficiency. By selective transcription, CD70 is largely confined			
	to activated lymphocytes and dendritic cells (DC). As a type II transmembrane receptor, CD70 is			
	normally expressed on a subset of B, T and NK cells, where it plays a costimulatory role in			
	immune cell activation. Immunohistochemical analysis of CD70 expression in multiple			
	carcinoma types. The restricted expression pattern of CD70 in normal tissues and its			
	widespread expression in various malignancies makes it an attractive target for antibody-based			
	therapeutics. Investigations to exploit CD70 as a cancer target have lead to the identification of			
	potential antibody-based clinical candidates.Immune CheckpointImmune Checkpoint			
	ProteinsImmune Checkpoint Targets Co-stimulatory Immune Checkpoint Targets			
	Immunotherapy Cancer Immunotherapy Targeted Therapy			
	Synonym: CD70			
Molecular Weight:	18.9 kDa			
NCBI Accession:	NP_001100348			
Pathways:	Cancer Immune Checkpoints			
Application Details				
Restrictions:	For Research Use only			
Handling				
Format:	Lyophilized			
Reconstitution:	Please refer to the printed manual for detailed information.			
Buffer:	Lyophilized from sterile PBS, pH 7.4			
Storage:	4 °C,-20 °C,-80 °C			
Storage: Storage Comment:	4 °C,-20 °C,-80 °C Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.			

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Wester	'n B	lott	inc

Image 1.

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