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Tnfrsf1a
Recombinant Mouse CD120a / TNFRSF1A (His Tag)

Catalog No.	CRM629A-His CRM629B-His	**Quantity:**	50 µg 100 µg
Alternate Names:	Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor 1, TNF-R1, Tumor necrosis factor receptor type I, TNF-RI, TNFR-I, p55, p60, CD120a		
Description:	Cluster of differentiation 120a (CD120a) also known as TNFR1 / TNFRSF1A, is a member of CD family, tumor necrosis factor receptor superfamily. CD120a is one of the most primary receptors for the tumor necrosis factor-alpha. It has been shown to be localized to both plasma membrane lipid rafts and the trans golgi complex with the help of the death domain (DD). CD120a can activate the transcription factor NF-κB, mediate apoptosis, and regulate inflammation processes.		
UniProt ID:	P25118		
Accession Number:	NP_ 035739.2		
Protein Construction:	A DNA sequence encoding the mouse TNFRSF1A extracellular domain (Met 1-Ala 212) was expressed, with a polyhistidine tag at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The secreted rmTNFRSF1A consists of 194 aa with a predicted MW of 21.8 kDa and migrates at ~35 kDa in SDS-PAGE under reducing conditions, due to glycosylation.		
Purity:	> 96 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	1. In a functional ELISA, immobilized human TNFa at 10 µg/mL (100 µl/well) can bind biotinylated mouse TNFRSF1A-his. The EC50 of biotinylated mouse TNFRSF1A-his is 0.28 µg/mL. 2. Immobilized mouse TNFa at 10 µg/mL (100 µl/well) can bind biotinylated mouse TNFRSF1A-his. The EC50 of biotinylated mouse TNFRSF1A-his is 0.13 µg/mL.		
Predicted N-terminal:	Leu 30		
Reconstitution:	**Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX**. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**		

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