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Tnfrsf1a
Recombinant Mouse CD120a / TNFRSF1A (Fc Tag)

Catalog No.	CRM629A-Fc CRM629B-Fc	**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 fused with the Fc region of human IgG1 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/Fc is a disulfide-linked homodimer. The reduced monomer consists of 424 aa with a predicted MW of 47.4 kDa and migrates at ~55 kDa in SDS-PAGE under reducing conditions, due to glycosylation.

Purity: > 90 % as determined by SDS-PAGE.

Endotoxin Level: < 1.0 EU per µg of the protein as determined by the LAL method

Biological Activity: Immobilized mouse TNFa (80-235) at 10 µg/ml (100 µl/well) can bind mouse TNFRSF1A-Fc, The EC50 of mouse TNFRSF1A-Fc is 0.03-0.07 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.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

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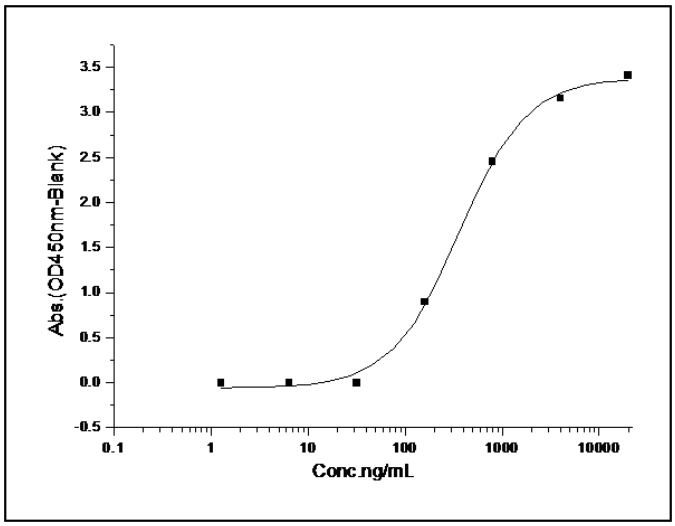
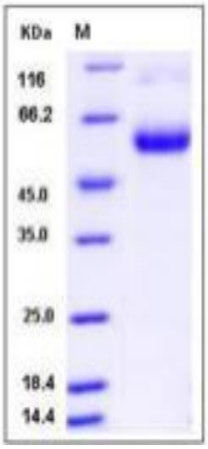


SDS-PAGE



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