

For Research Use Only

Recombinant Human CD70 protein (hFc Tag)



Catalog Number: Eg0355

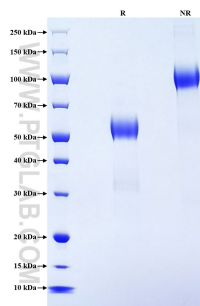
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: hFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human CD70 protein Gln39-Pro193 (Accession# P32970-1) with a human IgG1 Fc tag at the N-terminus. GeneID: 970 Accession: P32970-1 Predicted Molecular Mass: 43.6 kDa SDS-PAGE: 50-60 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	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.		
References	1. Tal Flieswasser. et al.(2022) J Exp Clin Cancer Res. 2022 Jan 6;41(1):12. 2. J Jacobs. et al.(2015) Pharmacol Ther.155:1-10. 3. Koen van de Ven. et al. (2015) Immunotherapy. 2015;7(6):655-67.		
Synonyms	CD70, CD27 L, CD27 ligand, CD27L, CD27-L		

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

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Selected Validation Data



Purity of Recombinant Human CD70 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.