

CD70/CD27 Ligand Recombinant Protein | CD70/CD27 recombinant protein

CD70/CD27 Ligand Protein, Mouse, Recombinant (ECD, His Tag), HPLC-verified

CATALOG #
AAA259263

HOST
HEK293 Cells

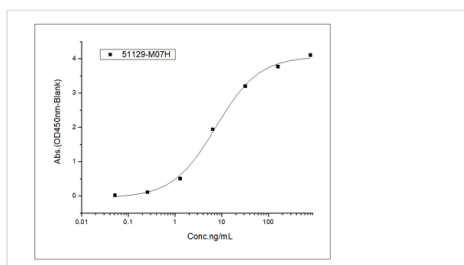
PRODUCT SYNONYMS

CD70/CD27 Ligand; CD70/CD27 Ligand Protein; Mouse; Recombinant (ECD; His Tag); HPLC-verified; CD70 molecule; Cd27l Protein; CD27LG Protein; Tnfsf7 Protein; CD70/CD27 recombinant protein

PRODUCT SPECIFICATIONS

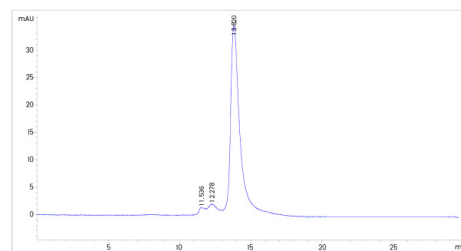
Host	HEK293 Cells
Purity/Purification	>= 95% as determined by SDS-PAGE. = 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Mouse
Predicted N Terminal	His
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Mouse CD70 (NP_035747.1)(Gln47-Pro195) was expressed, with a polyhistidine tag at the N-terminus.
Activity	Immobilized Recombinant Mouse CD70 Protein (ECD, His Tag)(Cat:51129-M07H) at 2 ug/mL (100 uL/well) can bind Recombinant Mouse CD27/TNFRSF7 Protein (His & Fc Tag)(Cat:50110-M03H), the EC50 is 4-12 ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES

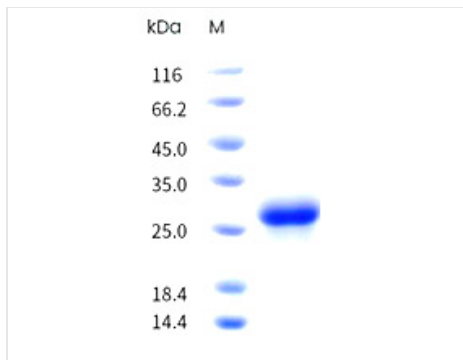


Application Data

Immobilized Recombinant Mouse CD70 Protein (ECD, His Tag) (Cat:AAA259263) at 2 ug/mL (100 uL/well) can bind Recombinant Mouse CD27 / TNFRSF7 Protein (His & Fc Tag) (Cat:50110-M03H), the EC50 is 4-12 ng/mL.



Application Data



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ADDITIONAL INFORMATION

Related Product Information for CD70/CD27 recombinant protein	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.
References	Adam PJ, et al. (2006) CD70 (TNFSF7) is expressed at high prevalence in renal cell carcinomas and is rapidly internalised on antibody binding. <i>Br J Cancer</i>. 95(3): 298-306. Keller AM, et al. (2007) Costimulatory ligand CD70 is delivered to the immunological synapse by shared intracellular trafficking with MHC class II molecules. <i>Proc Natl Acad Sci U S A</i>. 104(14): 5989-94. Grewal IS. (2008) CD70 as a therapeutic target in human malignancies. <i>Expert Opin Ther Targets</i>. 12(3): 341-51. Boursalian TE, et al. (2009) Targeting CD70 for human therapeutic use. <i>Adv Exp Med Biol</i>. 647: 108-19.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755839
NCBI GeneID	21948
NCBI Accession #	NP_035747.1
NCBI GenBank Nucleotide #	NM_011617.2
UniProt Accession #	O55237
Molecular Weight	21,919 Da
NCBI Official Full Name	CD70 antigen
NCBI Official Synonym Full Names	CD70 antigen
NCBI Official Symbol	Cd70
NCBI Official Synonym Symbols	Cd27l; CD27LG; Tnfsf7
NCBI Protein Information	CD70 antigen; CD27 ligand; CD27-L; Ki-24 antigen; tumor necrosis factor (ligand) superfamily, member 7; tumor necrosis factor ligand superfamily member 7
UniProt Protein Name	CD70 antigen
UniProt Gene Name	Cd70
UniProt Synonym Gene Names	Cd27l; Cd27lg; Tnfsf7; CD27-L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd70-recombinant-protein-hek293-cells/259263>