

CD70 antigen (CD70) Active Protein | CD70 active protein

Recombinant Human CD70 antigen (CD70), partial (Active)

CATALOG #
AAA279199

HOST
Mammalian Cell

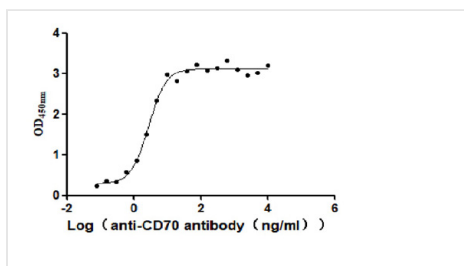
PRODUCT SYNONYMS

CD70 antigen (CD70); Recombinant Human CD70 antigen (CD70); partial (Active); CD27 ligand; CD27-L; CD27L; CD27LG; TNFSF7; CD70 active protein

PRODUCT SPECIFICATIONS

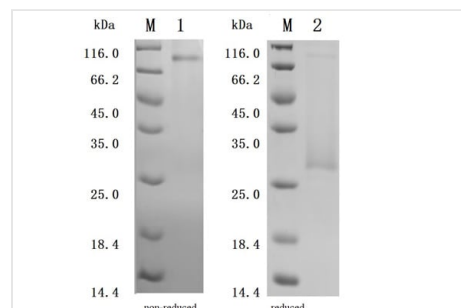
Host	Mammalian Cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	52-193aa; Partial
Sequence	SLGWDVAELQ LNHTGPQQDP RLYWQGGPAL GRSFLHGPEL DKGQLRIHRD GIYMVHIQVT LAICSSTTAS RHHPTTLAVG ICSPASRSIS LLRLSFHQGC TIASQRLTPL ARGDTLCTNL TGTLTPSRNT DETFFGVQWV RP\$
Species	Homo sapiens (Human)
Tag	N-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human CD70 at 2 ug/mL can bind Anti-CD70 antibody, the EC50 is 2.414-3.196 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized Human CD70 at 2 ?g/ml can bind Anti-CD70 antibody, the EC50 is 2.414-3.196 ng/mL.



SDS-PAGE

Tris-Glycine gel) Discontinuous SDS-PAGE (reduced/non-reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for CD70 active protein	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. LI-cadherin may have a role in the morphological organization of liver and intestine. Involved in intestinal peptide transport.
Product Categories/Family for CD70 active protein	Active Protein & In Stock Protein
References	"A clinicopathological study on the expression of cadherin-17 and caudal-related homeobox transcription factor (CDX2) in human gastric carcinoma."Ge J., Chen Z., Wu S., Yuan W., Hu B., Chen Z.Clin Oncol (R Coll Radiol) 20:275-283(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507605
NCBI GeneID	970
NCBI Accession #	NP_001243.1
NCBI GenBank Nucleotide #	NM_001252.3
UniProt Accession #	P32970; Q96J57
Molecular Weight	21,118 Da
NCBI Official Full Name	CD70 antigen
NCBI Official Synonym Full Names	CD70 molecule
NCBI Official Symbol	CD70
NCBI Official Synonym Symbols	CD27L; CD27LG; TNFSF7
NCBI Protein Information	CD70 antigen; CD27-L; CD27 ligand; Ki-24 antigen; surface antigen CD70; 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
UniProt Entry Name	CD70_HUMAN

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/mammalian-cell-active-protein/cd70-antigen-cd70/279199>