

CD74 recombinant protein

Human CD74 (73-296) Protein, hFc Tag

CATALOG #
AAA47497

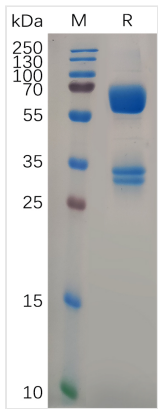
HOST
HEK293 cells

PRODUCT SYNONYMS

CD74; Human CD74 (73-296) Protein; hFc Tag; DHLAG; HLADG; Ia-GAMMA; II; p33; CD74 recombinant protein

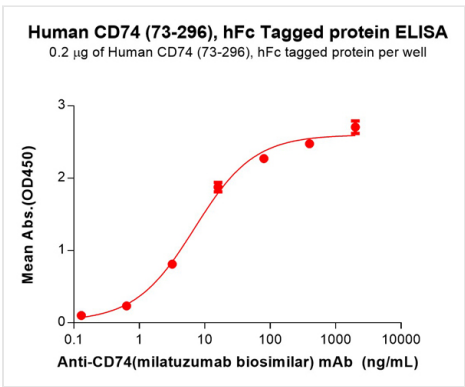
PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	Test: SDS-PAGE & Coomassie blue staining ; Specification: Target protein band (s) ≥95.0% ; Result: Pass The Purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Concentration	2.28 mg/ml (varies by lot)
Sequence	hFc(Glu99- Ala330)+CD 74(Gln73-M et296)
Species	Human
Tag	N-Human Fc tag
Reconstitution	1.Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5 min at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube 2. Dissolved lyophilized protein sample in sterile water based on the recommended volume 4.39 µL 3. After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Visual Inspection	Test: Lyophilization ; Specification: Dried White Powder ; Result: Pass Test: Vial Label ; Specification: Label aligned and complete ; Result: Pass Test: Bottle Sealing (Manual Check) ; Specification: Sealed tight ; Result: Pass
Quantity	Test: Bradford method ; Specification: ≥Specified quantity ; Result: Pass
Other properties	Test: pH ; Specification: 7.4 ± 0.5 ; Result: Pass
Preparation and Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).



SDS-PAGE

Figure 1. Human CD74(73-296) Protein, hFc Tag on SDS-PAGE under reducing condition.



ELISA

Figure 1. Human CD74(73-296) Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for CD74 recombinant protein	Description: Recombinant Human CD74(73-296) Protein with N-terminal human Fc tag
	Background: The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

NCBI AND UNIPROT INFORMATION

NCBI GI #	20178292
NCBI GeneID	972
UniProt Accession #	P04233; Q14597; Q29832; Q5U0J8; Q8SNA0; Q8WLP6; A8K7R1; B4DNE8; D3DQG3; D3DQG4
Molecular Weight	The protein has a predicted molecular mass of 51.5 kDa after removal of the signal peptide.The apparent molecular mass of hFc-CD74(73-296) is approximately 55-70 kDa due to glycosylation
NCBI Official Full Name	HLA class II histocompatibility antigen gamma chain
NCBI Official Synonym Full Names	CD74 molecule, major histocompatibility complex, class II invariant chain
NCBI Official Symbol	CD74
NCBI Official Synonym Symbols	II; DHLAG; HLADG; Ia-GAMMA
NCBI Protein Information	HLA class II histocompatibility antigen gamma chain; p33; HLA-DR-gamma; MHC HLA-DR gamma chain; Ia-associated invariant chain; gamma chain of class II antigens; HLA-DR antigens-associated invariant chain; CD74 antigen (invariant polypeptide of major histo
UniProt Protein Name	HLA class II histocompatibility antigen gamma chain
UniProt Gene Name	CD74
UniProt Synonym Gene Names	DHLAG; li
UniProt Entry Name	HG2A_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/cd74-recombinant-protein-hek293-cells/47497>