

Recombinant Mouse CD74, His-tagged

Cat. No. CD74-9493M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the extracellular domain (56-215) of mouse CD74 isoform 2 was fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	56-215 a.a.
Form	25 mM Tris-HCl, pH7.4, 100 mM NaCl, 1 mM DTT
Molecular Mass	The recombinant mouse CD74 consists of 160 amino acids and has a calculated molecular mass of 18.3KDa. It migrates as an approximately 25kDa band in SDS-PAGE under reducing conditions due to glycosylation.
AA Sequence	QQQGRLDKLTITSQNLQLESLRMKLPKSAKPVSQMRMATPLLMPMSMDNMLLGP VKNVTKYGNMTQDHVMHLLT RSGPLEYPQLKGTFPENLKHLKNSMDGVNWKIFES WMKQWLLFEMSKNSLEEKKPTEAPPKEPLDMEDLSSGLGV TRQELGQVTL
Purity	>95% as determined by SDS-PAGE
Storage	Store it at +4°C for short term. For long term storage, store it at -20°C ~ -70°C. Recommend to aliquot the protein in to smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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GENE INFORMATION

Gene Name	Cd74 CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) [<i>Mus musculus</i>]
Official Symbol	CD74
Synonyms	CD74; CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated); H-2 class II histocompatibility antigen gamma chain; HLA-DR-GAMMA; dinucleotide microsatellite; Ia-associated invariant chain; Ia antigen-associated invariant chain; MHC class II-associated invariant chain; class II-associated invariant chain peptide; histocompatibility: class II antigens, gamma chain of; invariant polypeptide of major histocompatibility complex, class II antigen-associated; Ii; CLIP; DHLAG; HLADG; Ia-GAMMA;
Gene ID	16149
mRNA Refseq	NM_001042605
Protein Refseq	NP_001036070
Pathway	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosystem;
Function	MHC class II protein binding; beta-amyloid binding; contributes_to cytokine binding; cytokine binding; cytokine receptor activity; cytokine receptor activity; nitric-oxide synthase binding; protein binding;

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