

CD74, 73-232aa, Human, His tag, E.coli

Cat.NO.: TP01532

3th Edition

Synonyms:HLA class II histocompatibility antigen gamma chain isoform b, DHLAG, HLADG, Ia-GAMMA, II

Description:HLA class II histocompatibility antigen gamma chain isoform b, also known as CD74, is a transmembrane protein which, on antigen presenting cells, is the invariant chain that chaperones MHC class II dimers from the endoplasmic reticulum to the cell surface. CD74 is expressed by cells of both T lymphocyte and B lymphocyte lineages. It is upregulated in several cancers and is also expressed by nonimmune cells during inflammation. Recombinant human CD74 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol, 1mM DTT

Molecular Weight:20.6kDa (183aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSSQQQGRDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMATPLLMQALPMGA
LPQGPMQNATKYGNMTEDHVMHLLQNADPLKVYPPLKGSFPENLRHLKNTMETIDWKVFESWMHHWLLFEMSRH
SLEQKPTDAPPKESLELEDPSGLGVTKQDLGPVPM

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.