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CD74, human recombinant protein

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

Catalog # PBV10941r

Specification

CD74, human recombinant protein - Product info

Primary Accession	P04233
Concentration	0.5
Calculated MW	20.6 kDa (183 aa, 73-232 aa + His tag), confirmed by MALDI-TOF. KDa

CD74, human recombinant protein - Additional Info

Gene ID	972
Gene Symbol	CD74

Other Names
HLA class II histocompatibility antigen gamma chain isoform b, DHLAG, HLADG, Ia-GAMMA, II

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGSQQQGRLD KLTVTSQNLQ LENLRMKLPK PPKPVSKMRM ATPLLMQALP MGALPQGPMQ NATKYGNMTE DHVMHLLQNA DPLKVYPPLK GSFPENLRHL KNTMETIDWK VFESWMHHWL LFEMSRHSLE QKPTDAPPKE SLELEDPSSG LGVTKQDLGP VPM

Target/Specificity
CD74

Format
Liquid

Storage
-80°C; 0.5 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, 1 mM DTT and 30% glycerol.

CD74, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD74, human recombinant protein - Images

CD74, human recombinant protein - Background

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.

CD74, human recombinant protein - References

Claesson L.,et al.Proc. Natl. Acad. Sci. U.S.A. 80:7395-7399(1983).
Strubin M.,et al.EMBO J. 3:869-872(1984).
Kudo J.,et al.Nucleic Acids Res. 13:8827-8841(1985).
O'Sullivan D.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:4484-4488(1986).
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.