
Product Data Sheet

Product Name: CD74 Human
 Cat. No.: GP23037
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DHLA3; HLA-DQ; Ia-GAMMA; Ii; HLA-DR antigens-associated invariant chain; p33; Ia antigen-associated invariant chain; HLA class II histocompatibility antigen gamma chain; CD74; Gamma Chain Of Class II Antigens; MHC HLA-DR Gamma Chain.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQQQGRDL KLTVTSQNLQ LENLRMKLPK PPKPVSKMRM ATPLLMQALP MGALPQGPMQNATKYGNMTE DHVMHLLQNA DPLKVYPPLK GSPENLRHL KNTMETIDWK VFESWMHHWL LFEMSRHSLEQKPTDAPPKE SLELEDPSSG LGVTKQDLGP VPM		
Formulation	CD74 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 30% glycerol and 1mM DTT.		

Introduction

CD74 (HLA class II histocompatibility antigen gamma chain isoform b), is a transmembrane protein (on antigen presenting cells) which 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. CD74 is upregulated in several cancers and is also expressed by non-immune cells during inflammation. Diseases related with CD74 include thymic epithelial neoplasm and gastroenteritis. Among its related super-pathways are Immune System and Immune Response Antigen presentation by MHC class II. In addition CD74 functions as a cell surface receptor for the cytokine MIF.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD74 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 183 amino acids (73-232 a.a) and having a molecular mass of 20.6kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA