32-13096: CD74 Human, Sf9

Alternative Name : DHLAG, HLADG, 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.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

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 IIdimers from the endoplasmic reticulum to the cell surface. CD74 is expressed by cells of both T lymphocyte and Blymphocyte lineages. CD74 upregulated in several cancers and is also expressed by non immune cells during inflammation. Diseases related with CD74 include thymic epithelial neoplasm and gastroduodenitis. Among its related super-pathways are Immune System and Immune response Antigen presentation by MHC class II. In addition CD74 functions as cell surface receptor for the cytokine MIF.Â

CD74 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 166 amino acids (73-232a.a.) and having a molecular mass of 19.05kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). CD74 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	CD74 protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.
Storage condition :	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% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	QQQGRLDKLT VTSQNLQLEN LRMKLPKPPK PVSKMRMATP LLMQALPMGA LPQGPMQNAT KYGNMTEDHV MHLLQNADPL KVYPPLKGSF PENLRHLKNT METIDWKVFE SWMHHWLLFE MSRHSLEQKP TDAPPKESLE LEDPSSGLGV TKQDLGPVPM HHHHHH.