

HUMAN CD74 (73-296) PROTEIN, HFC TAG

Cat.#: 11438

Product Name: Human CD74 (73-296) Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: DHLAG;HLADG;Ia-GAMMA;II;p33

Target: CD74

UNIPROT ID: P04233

Description: Recombinant Human CD74(73-296) Protein with N-terminal human Fc tag

Background: The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 51.5 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CD74(73-296) is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: hFc(Glu99-Ala330) CD74(Gln73-Met296)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human CD74(73-296) Protein, hFc Tag on SDS-PAGE under reducing condition.