

**PRODUCT INFORMATION**

<b>Target</b>	CD74
<b>Synonyms</b>	DHLAG;HLADG;Ia-GAMMA;II;p33
<b>Description</b>	Recombinant Human CD74(73-296) Protein with N-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P04233
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-Human Fc Tag
<b>Molecular Characterization</b>	hFc(Glu99-Ala330) CD74(Gln73-Met296)
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	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.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



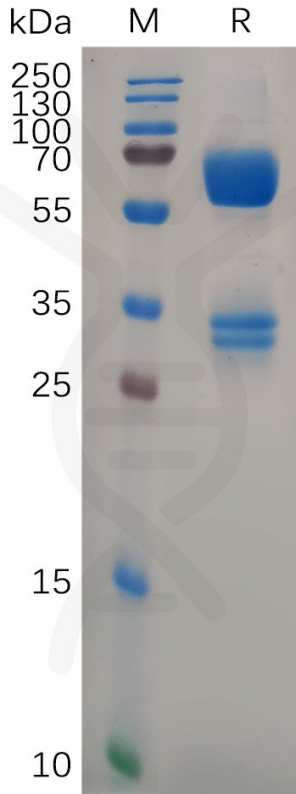


Figure 1. Human CD74(73-296) Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CD74 (73-296), hFc Tagged protein ELISA

0.2 µg of Human CD74 (73-296), hFc tagged protein per well

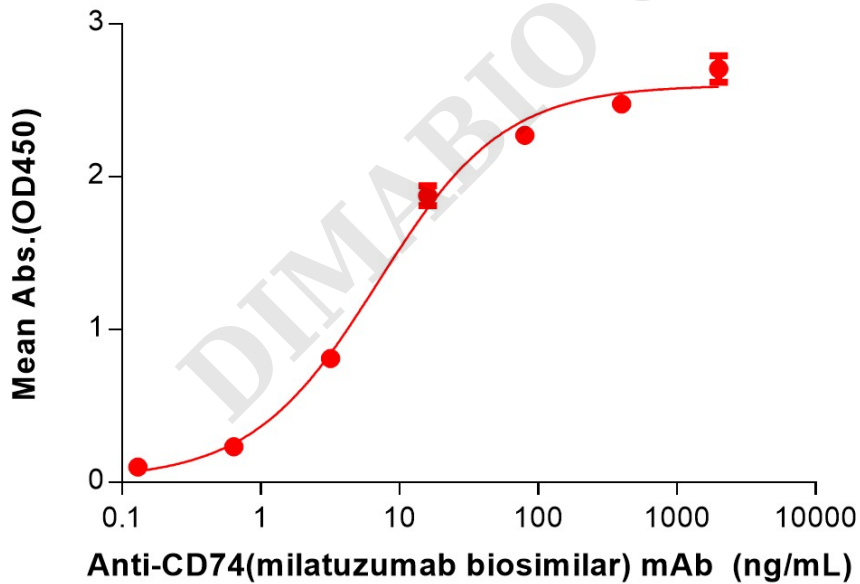


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD74 (73-296) Protein, hFc Tag (PME100642) can bind Anti-CD74(milatuzumab biosimilar) mAb (BME100170) in a linear range of 0.64-16 ng/mL.

