

Recombinant Human DHLAG/CD74 Protein

Catalog No.: RP02736 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	972	NP_004346.1

Tags

N-His

Synonyms

CD74; Ii; DHLAG; HLADG; Ia-GAMMA; p33; CLIP; INVG34; Ia-GAMMA ; II

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE

Calculated MW **Observed MW**

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

CD74 (invariant MHC class II) regulates protein trafficking and is a receptor for macrophage migration inhibitory factor (MIF) and d-dopachrome tautomerase (d-DT/MIF-2). CD74 expression is increased in tubular cells and/or glomerular podocytes and parietal cells in human metabolic nephropathies, polycystic kidney disease, graft rejection and kidney cancer and in experimental diabetic nephropathy and glomerulonephritis.

Basic Information

Description

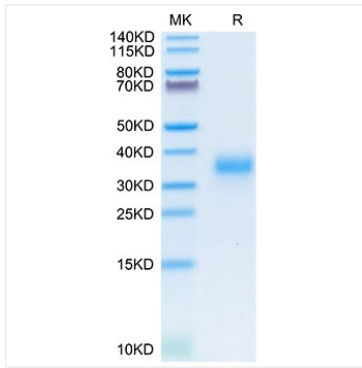
Recombinant Human DHLAG/CD74 Protein is produced by Expi293 cells expression system. The target protein is expressed with sequence (Gln73-Met232) of Human DHLAG/CD74 (Accession #NP_004346.1) fused with His tag at the N-terminus.

Bio-Activity

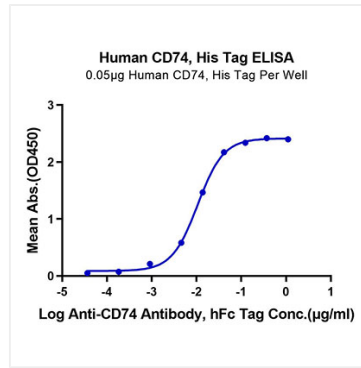
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Human CD74 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Immobilized Human CD74 at 0.5 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Anti-CD74 Antibody, hFc Tag with the EC₅₀ of 10.6ng/ml determined by ELISA.