

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

19.1 kDa 30-40 kDa

Endotoxin

< 1 EU/µg of the protein by 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 stablizer (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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

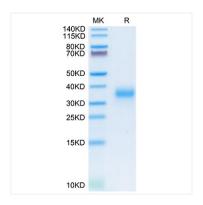
Avoid repeated freeze/thaw cycles.

Operational Notes

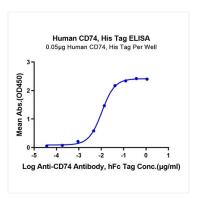
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human DHLAG/CD74 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human CD74 at $0.5\mu g/ml$ (100 $\mu l/Well$) on the plate. Dose response curve for Anti-CD74 Antibody, hFc Tag with the EC $_{50}$ of 10.6ng/ml determined by ELISA.