

RP02736

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Recombinant Human DHLAG/CD74 Protein

Catalog No.: RP02736

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	972	NP_004346.1

Tags

N-His

Synonyms

CD74; II; DHLAG; HLAG; Ia-GAMMA; p33; CLIP; INVG34; Ia-GAMMA ; II

Product Information

Source

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.

Purification

≥ 95 % as determined by Tris-Bis PAGE.

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.

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

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

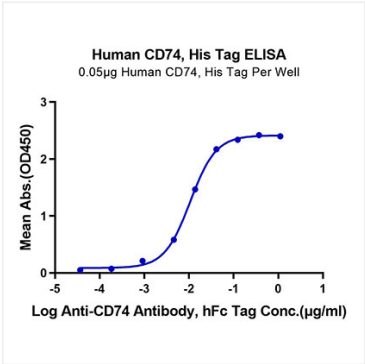
Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

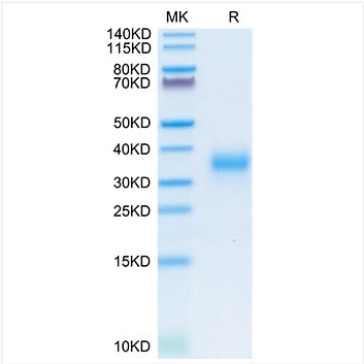


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Validation Data



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



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