Recombinant Human DHLAG/CD74 Protein

Catalog No.: RP02736

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Sequence Information

Species
Human

Gene ID
972

Swiss Prot
NP_004346.1

Tags
N-His

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW
19.1 kDa

Observed MW
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.

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.

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.

Storage
Store at -20℃

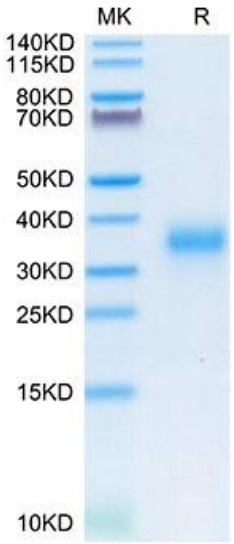
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

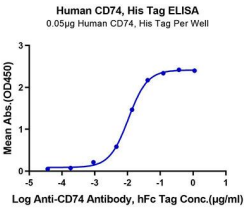
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



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



Immobilized Human CD74 at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Anti-CD74 Antibody, hFc Tag with the EC_{50} of 10.6ng/ml determined by ELISA.