

Human CD74/DHLA G Protein

Cat. No. CD7-HM175

Description

| | |
|-------------------------|--|
| Source | Recombinant Human CD74/DHLA G Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln73-Met232. |
| Accession | NP_004346.1 |
| Molecular Weight | The protein has a predicted MW of 19.1 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE |

Formulation and Storage

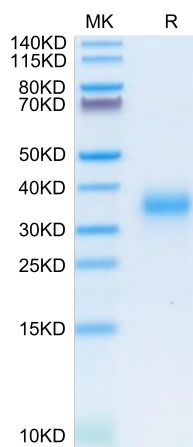
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

Assay Data

Bis-Tris PAGE

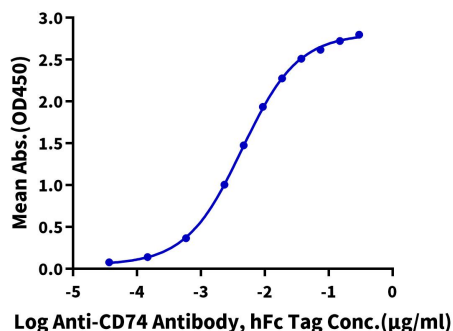


Human CD74 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human CD74, His Tag ELISA

0.1µg Human CD74, His Tag Per Well



Immobilized Human CD74 at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD74 Antibody, hFc Tag with the EC50 of 4.4ng/ml determined by ELISA.