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Datasheet for ABIN7274222

CD74 Protein (AA 73-232) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	CD74
Protein Characteristics:	AA 73-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD74 protein is labelled with His tag.

Product Details

Purpose:	Human CD74/DHLAG Protein
Sequence:	Gln73-Met232
Characteristics:	Recombinant Human CD74/DHLAG Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln73-Met232.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. See testing image for detail.

Target Details

Target:	CD74
Alternative Name:	CD74 (CD74 Products)
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.
Molecular Weight:	19.1 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_004346
Pathways:	Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Negative Regulation of intrinsic apoptotic Signaling , Cancer Immune Checkpoints

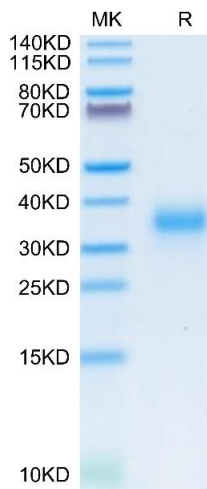
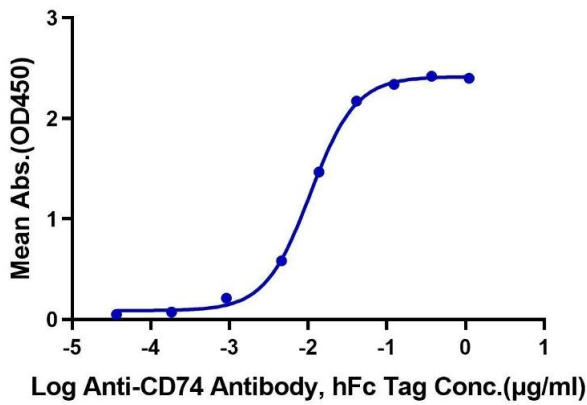
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human CD74, His Tag ELISA
0.05µg Human CD74, His Tag Per Well



ELISA

Image 1. Immobilized Human CD74 at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CD74 Antibody, hFc Tag with the EC50 of 10.6 ng/mL determined by ELISA.

SDS-PAGE

Image 2. Human CD74 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .