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CD74 Protein (AA 56-279) (His tag)

Images



Overview

Quantity:	100 μg
Target:	CD74
Protein Characteristics:	AA 56-279
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD74 protein is labelled with His tag.

Product Details

Purpose:	Mouse CD74/DHLAG Protein
Sequence:	Gln56-Leu279
Characteristics:	Recombinant Mouse CD74/DHLAG Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Gln56-Leu279.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

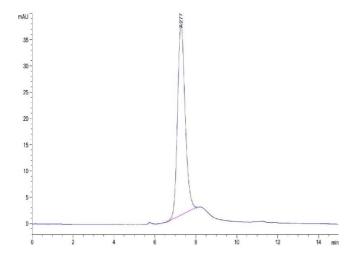
Target:	CD74
Alternative Name:	CD74 (CD74 Products)

Target Details

Expiry Date:

12 months

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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.
Molecular Weight:	26.5 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
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
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/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.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse CD74 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

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