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Datasheet for ABIN7274272

CD94 Protein (AA 34-179) (His-Avi Tag,Biotin)

2 Images

Overview

Quantity:	100 µg
Target:	CD94 (KLRD1)
Protein Characteristics:	AA 34-179
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD94 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human CD94 Protein
Sequence:	Ser34-Ile179
Characteristics:	Recombinant Biotinylated Human CD94 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus.It contains Ser34-Ile179.
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:	CD94 (KLRD1)
Alternative Name:	CD94 (KLRD1 Products)

Target Details

Background: CD94 is an approximately 25 kDa type 2 transmembrane protein that plays an important role in regulating natural killer (NK) cell activation. CD94 plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells.

Molecular Weight: 19.8 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

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.

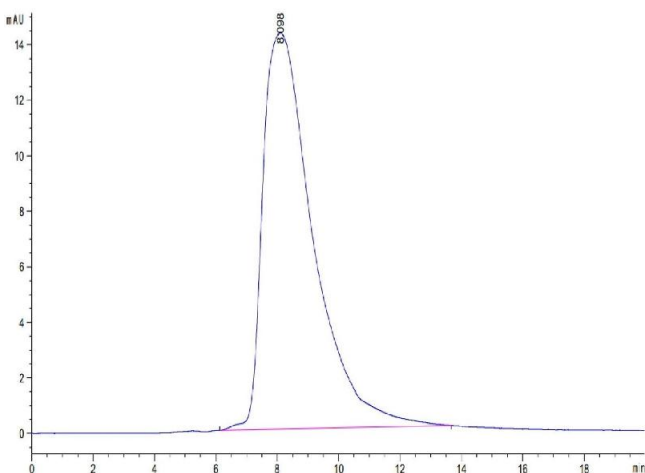
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

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.

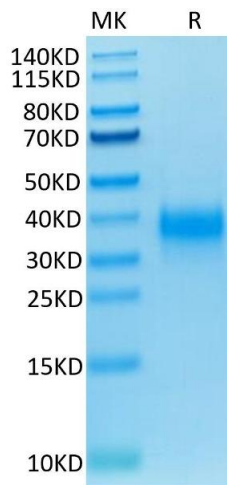
Expiry Date: 12 months

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Biotinylated Human CD94 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Biotinylated Human CD94 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .