Datasheet for ABIN7274213

CD69 Protein (CD69) (AA 62-199) (His tag)

2 Images

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Overview

Quantity:	100 µg
Target:	CD69
Protein Characteristics:	AA 62-199
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD69 protein is labelled with His tag.

Product Details

Purpose:	Human CD69/CLEC2C Protein
Sequence:	Ser62-Lys199
Characteristics:	Recombinant Human CD69/CLEC2C Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Ser62-Lys199.
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:	CD69
Alternative Name:	CD69 (CD69 Products)

Target Details

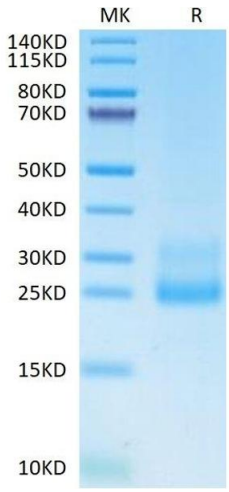
Background:	CLEC2C (CD69) is a membrane-bound, type II C-lectin receptor and acts as a costimulatory molecule for T cell activation and proliferation. It is involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. CLEC2C is a disulfide-linked homodimer protein with two differentially glycosylated subunits.
Molecular Weight:	17.07kDa. Due to glycosylation, the protein migrates to 24-27kDa based on Tris-Bis PAGE result.
UniProt:	Q07108

Application Details

Restrictions:	For Research Use only

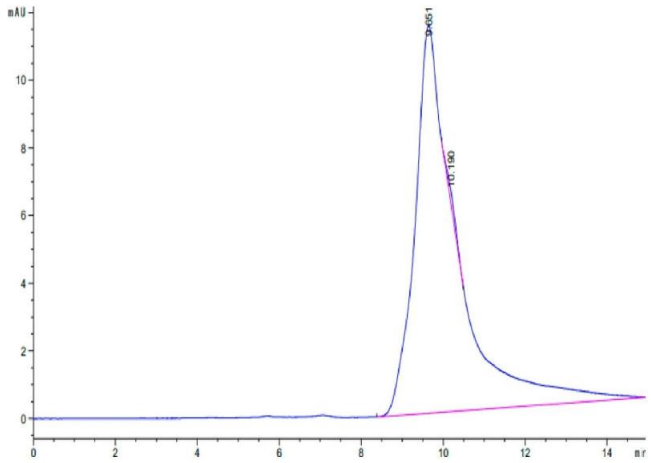
Handling

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



SDS-PAGE

Image 1. Human CD69 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD69 is greater than 95 % as determined by SEC-HPLC.