Datasheet for ABIN7275089

KIR2DL3 Protein (His-Avi Tag,Biotin)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	KIR2DL3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIR2DL3 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	His22-His245
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:	KIR2DL3
Alternative Name:	KIR2DL3 (KIR2DL3 Products)
Background:	Cl-6, KIR2DL3, KIRCL23, KIR-K7b, KIR-K7c, MGC129943, NKAT, NKAT2, NKAT-2, NKAT2A, NK-receptor, p58, NKAT2GL183, CD158b, CD158B2, GL183, KIR-023GB, KIR2DS5, NKAT2B,KIR2DL3 (2DL3, formerly NKAT2, designated CD158b2) is a 341 amino acid (aa) type I transmembrane glycoprotein that belongs to the human killer cell Ig-like receptor (KIR) family of molecules. KIRs are expressed on human CD56dim NK cells and T cell subsets, and regulate

Target Details

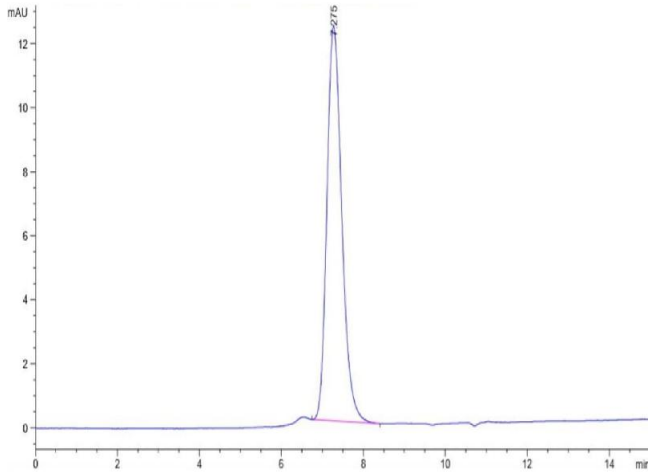
	effector functions in the innate immune system.KIR2DL3 is a receptor on natural killer (NK) cells for HLA-C alleles (HLA-Cw1, HLA-Cw3 and HLA-Cw7). Inhibits the activity of NK cells thus preventing cell lysis.
Molecular Weight:	27.3 kDa. Due to glycosylation, the protein migrates to 45-52 kDa based on Tris-Bis PAGE result.
UniProt:	P43628
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only

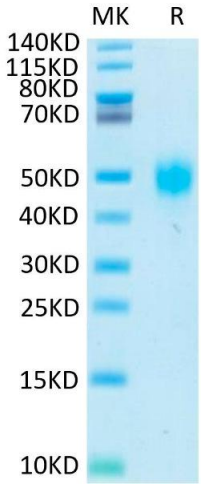
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Biotinylated Human KIR2DL3 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Biotinylated Human KIR2DL3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .