Human KIR2DL1 Protein

Cat. No. KIR-HM4L1

Description

Source	Recombinant Human KIR2DL1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains His22-Arg242.
Accession	P43626
Molecular Weight	The protein has a predicted MW of 27.1 kDa. Due to glycosylation, the protein migrates to 40-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

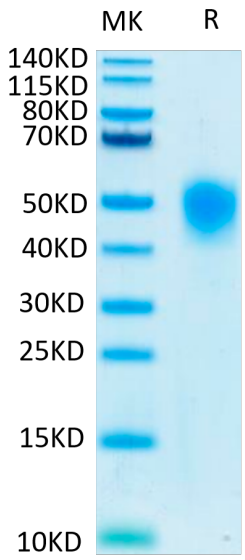
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

KIR2DL1 (2DL1, formerly NKAT1, designated CD158a) is a 348 amino acid (aa) type I transmembrane glycoprotein that belongs to the human killer cell Ig-like receptor (KIR) family.KIR2DL1 is a receptor on natural killer (NK) cells for some HLA-C alleles such as w4 and w6. Inhibits the activity of NK cells thus preventing cell lysis.

Assay Data

Bis-Tris PAGE



Human KIR2DL1 on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC

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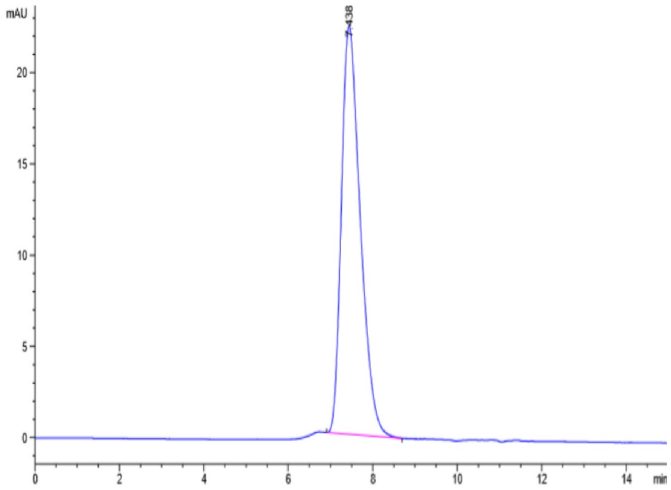
Assay Data



The purity of Human KIR2DL1 is greater than 95% as determined by SEC-HPLC.