Biotinylated Human LILRA5/CD85f/ILT11 Protein

Cat. No. LIL-HM4A5B

Description

Source	Recombinant Biotinylated Human LILRA5/CD85f/ILT11 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly42-Arg268.
Accession	A6NI73-1
Molecular Weight	The protein has a predicted MW of 28.2 kDa. Due to glycosylation, the protein migrates to 38-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

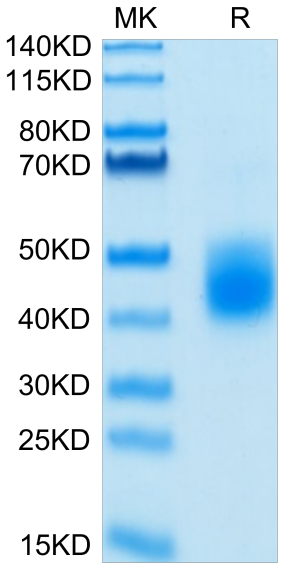
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

The leukocyte immunoglobulin-like receptors (LILR) comprise a family of activating and inhibitory type immunoreceptors whose genes are located in the same locus that encodes killer cell Ig-like receptors (KIRs). Human LILRA5, also known as ILT11, LIR-9, and CD85f, consists of a 227 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 10 aa cytoplasmic tail. LILRA5 may play a role in triggering innate immune responses. Does not seem to play a role for any class I MHC antigen recognition.

Assay Data

Bis-Tris PAGE



Biotinylated Human LILRA5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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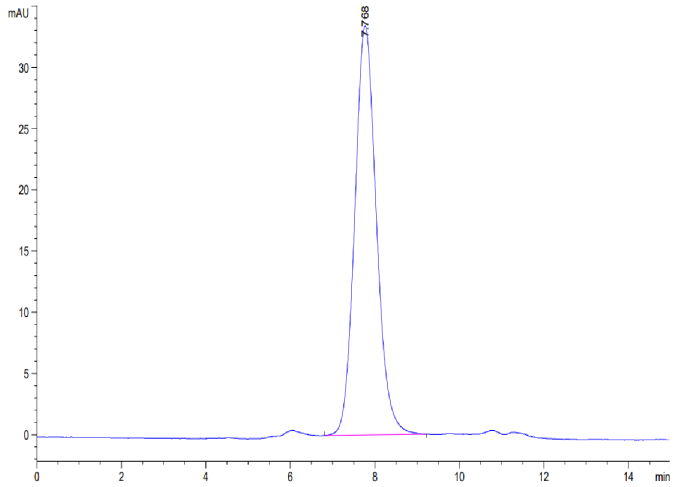
Assay Data



The purity of Biotinylated Human LILRA5 is greater than 95% as determined by SEC-HPLC.