Biotinylated Human LILRB5/CD85c/LIR-8 Protein

Cat. No. LIL-HM4B5B

Description

Source	Recombinant Biotinylated Human LILRB5/CD85c/LIR-8 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Arg18-His456.
Accession	O75023-1
Molecular Weight	The protein has a predicted MW of 49.9 kDa. Due to glycosylation, the protein migrates to 65-70 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

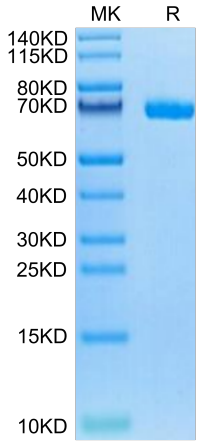
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

LILRB5, also known as CD85c andLIR-8, belongs to a family of transmembrane glycoproteins that negatively regulate immune cell activation. Mature human LIR-8 consists of a 435 amino acid (aa) extracellular domain with four Ig-like domains, a 21 aa transmembrane segment, and a 111 aa cytoplasmic domain with two immunoreceptor tyrosine-based inhibitory motifs (ITIM). LILRB5 may act as receptor for class I MHC antigens.

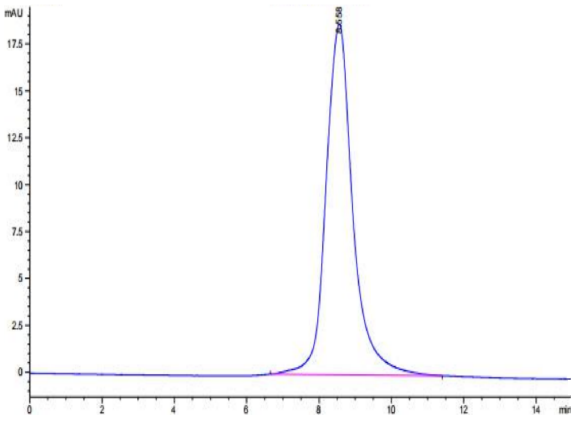
Assay Data

Bis-Tris PAGE



Biotinylated Human LILRB5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human LILRB5 is greater than 95% as determined by SEC-HPLC.

For Research Use Only