

Biotinylated Human LILRB3/CD85a/ILT5 Protein



Cat. No. LIL-HM4B3B

Description

Source	Recombinant Biotinylated Human LILRB3/CD85a/ILT5 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly24-Glu443.
Accession	O75022-1
Molecular Weight	The protein has a predicted MW of 50 kDa. Due to glycosylation, the protein migrates to 60-72 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

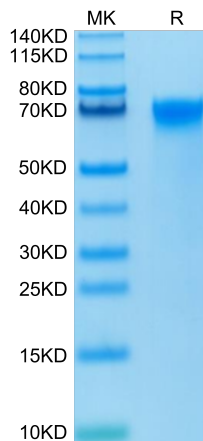
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled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

Leukocyte immunoglobulin-like receptor subfamily B (LILRB3), also known as ILT5, LIR3, and CD85a, is an immunoglobulin superfamily member that is involved in immune regulation. Subfamily B members have cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs) that inhibit signaling events via phosphatase SHP-1. LILRB3 may act as receptor for class I MHC antigens. Becomes activated upon coligation of LILRB3 and immune receptors, such as FCGR2B and the B-cell receptor.

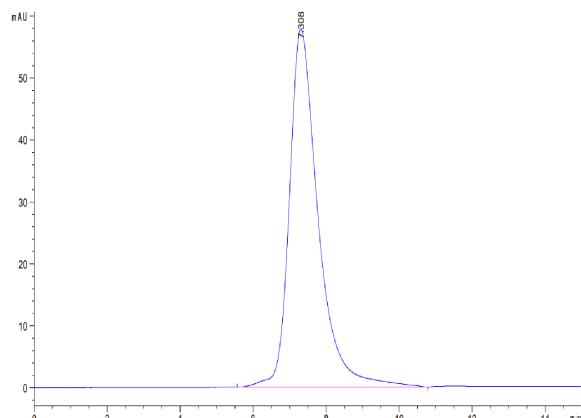
Assay Data

Bis-Tris PAGE



Biotinylated Human LILRB3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human LILRB3 is greater than 95% as determined by SEC-HPLC.

Biotinylated Human LILRB3/CD85a/ILT5 Protein

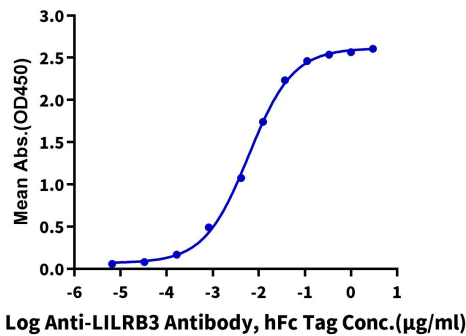
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Assay Data

ELISA Data

Biotinylated Human LILRB3, His Tag ELISA
0.2µg Biotinylated Human LILRB3, His Tag Per Well



Immobilized Biotinylated Human LILRB3, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-LILRB3 Antibody, hFc Tag with the EC50 of 6.0ng/ml determined by ELISA.