

Biotinylated Human LILRB3/CD85a/ILT5 Protein

Cat. No. LIL-HM4B3B

Description	
Source	Recombinant Biotinylated Human LILRB3/CD85a/ILT5 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. 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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

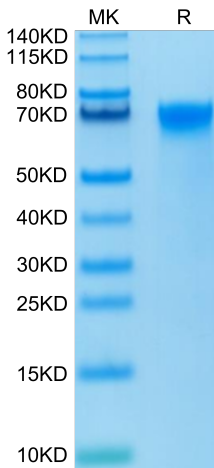
Formulation and Storage	
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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

Tris-Bis PAGE



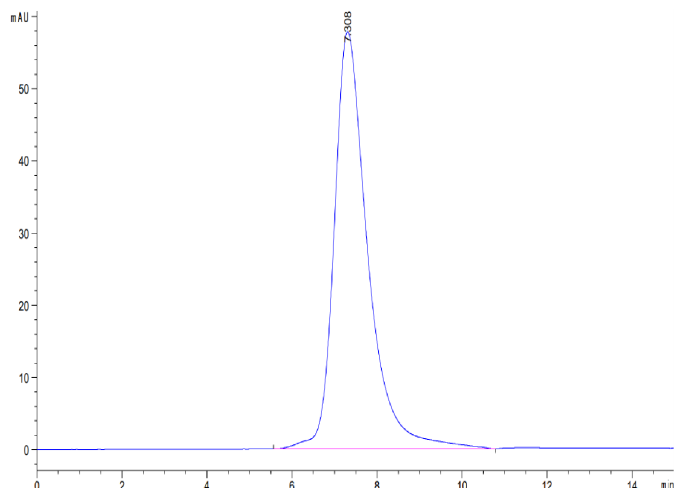
Biotinylated Human LILRB3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Biotinylated Human LILRB3/CD85a/ILT5 Protein

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Assay Data

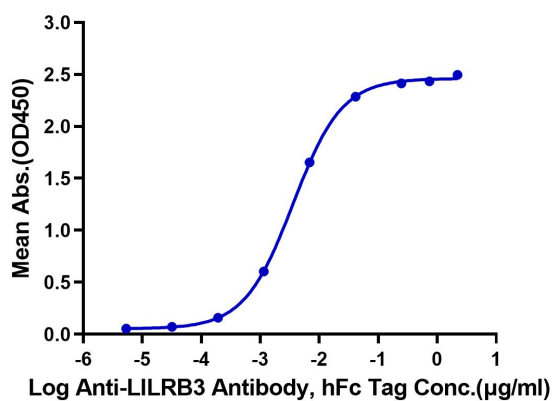


The purity of Biotinylated Human LILRB3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human LILRB3, His Tag ELISA

0.2 μ g Biotinylated Human LILRB3, His Tag Per Well



Immobilized Biotinylated Human LILRB3, His Tag at 2 μ g/ml (100 μ l/well) on the streptavidin precoated plate (5 μ g/ml). Dose response curve for Anti-LILRB3 Antibody, hFc Tag with the EC50 of 3.6ng/ml determined by ELISA.