

Biotinylated Recombinant Human LILRB3/ILT-5/CD85a Protein

Catalog No.: RP01436B **Recombinant**

Sequence Information

Species Human **Gene ID** 11025 **Swiss Prot** O75022-1

Tags

C-His&Avi

Synonyms

CD85a; ILT5; ILT-5; LILRB3; LIR3; LIR3CD85A; LIR-3MGC138403; PIRB; HL9

Product Information

Source

HEK293 cells **Purification** $\geq 95\%$ as determined by Tris-Bis PAGE; $\geq 95\%$ as determined by HPLC.

Calculated MW

50 kDa

Observed MW 60-72 kDa

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description

Biotinylated Recombinant Human LILRB3/ILT-5/CD85a Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gly24-Glu443) of Human LILRB3 fused with a His and Avi tag at the C-terminal.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

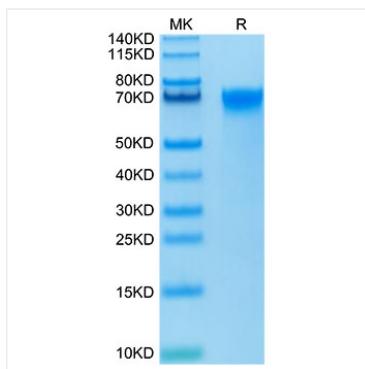
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

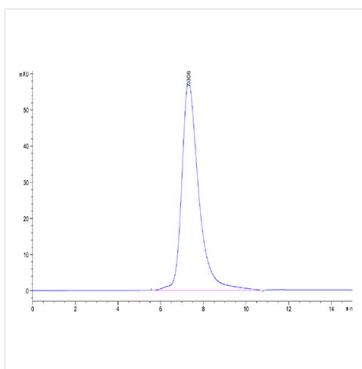
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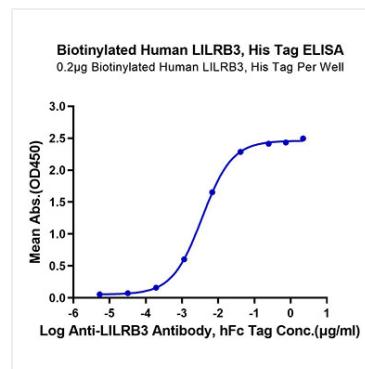
Validation Data



Biotinylated Recombinant Human LILRB3/ILT-5/CD85a Protein was determined by Tris-Bis PAGE under reducing conditions.



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



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.