

Recombinant Cynomolgus LILRB4/ILT-3/CD85k Protein

Catalog No.: RP02649

Sequence Information

Species **Gene ID**
Cynomolgus 107128256

Swiss Prot **Tags**
XP_015297198.1 C-His

Synonyms

HM18; ILT3; ILT-3; LILRB4; LIR5; CD85K

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW **Observed MW**
27.2 kDa 35-42 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

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

LILRB4, also known as CD85k and LIR-5, ILT3, is an approximately 60 kDa transmembrane glycoprotein that negatively regulates immune cell activation. Mature human ILT3 consists of a 238 amino acid (aa) extracellular domain with two Ig-like domains, a 21 aa transmembrane segment, and a 168 aa cytoplasmic domain with 3 immunoreceptor tyrosine-based inhibitory motifs (ITIM). LILRB4 is receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles.

Basic Information

Description

Recombinant Cynomolgus LILRB4/ILT-3/CD85k Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln22-Glu259) of Cynomolgus LILRB4 fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

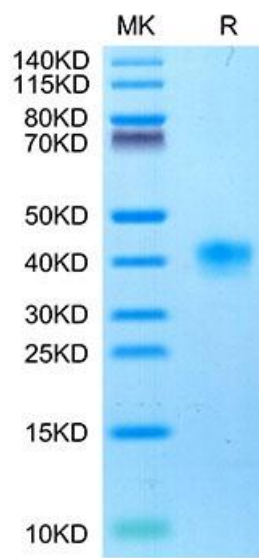
Contact

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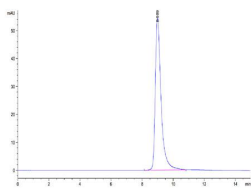
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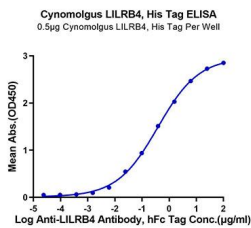
Validation Data



Recombinant Cynomolgus LILRB4/ILT-3/CD85k Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Cynomolgus LILRB4 is greater than 95% as determined by SEC-HPLC.



Immobilized Cynomolgus LILRB4, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-LILRB4 Antibody, hFc Tag with the EC₅₀ of 0.38µg/ml determined by ELISA.