

# Recombinant Cynomolgus LILRB4/ILT-3/CD85k Protein

Catalog No.: RP02649 **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Cynomolgus	107128256	XP_01529719 8.1

### Tags

C-His

### Synonyms

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

## Product Information

<b>Source</b>	<b>Purification</b>
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

<b>Calculated MW</b>	<b>Observed MW</b>
27.2 kDa	35-42 kDa

### Endotoxin

Less than 1EU per µg by the 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.

## Contact

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## 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.

### Bio-Activity

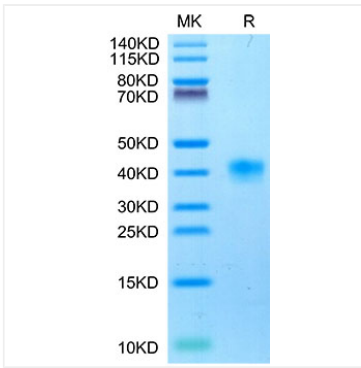
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

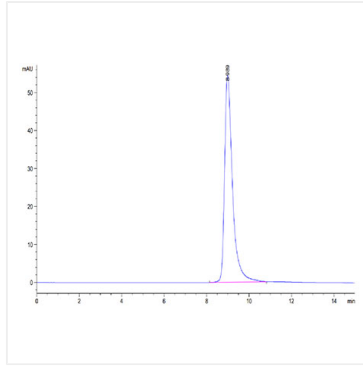
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

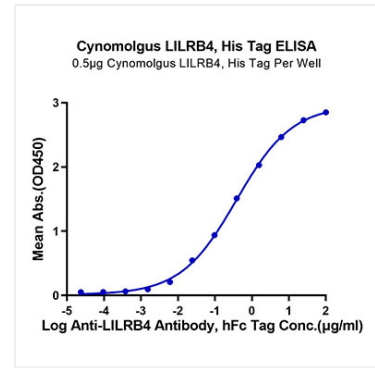
## Validation Data



Cynomolgus LILRB4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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 EC<sub>50</sub> of 0.38µg/ml determined by ELISA.