

Recombinant Rhesus macaque LILRB1/ILT-2 /CD85j Protein

Catalog No.: RP02631

Sequence Information

Species Gene ID

Rhesus macaque 692340

Swiss Prot Tags

F7H3G7 C-His

Synonyms

ILT2; ILT-2; ILT2FLJ37515; LILRB1; LIR1; MIR7; CD85J; XXbac-BCX85G21.4

Product Information

Source Purification

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

Calculated MW Observed MW

48.5 kDa 60-70 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

LILRB1, also known as CD85j and ILT2, is a 110 kDa transmembrane glycoprotein in the LILR immunoregulatory protein family. Mature human LILRB1 consists of a 438 amino acid (aa) extracellular domain (ECD) with 4 tandem Ig-like domains, a 21 aa transmembrane segment, and a 168 aa cytoplasmic domain with 4 inhibitory ITIM motifs. LILRB1 is a receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles. Receptor for H301/UL18, a human cytomegalovirus class I MHC homolog. Ligand binding results in inhibitory signals and down-regulation of the immune response.

Basic Information

Description

Recombinant Rhesus macaque LILRB1/ILT-2/CD85j Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser17-His456) of rhesus macaque LILRB1/ILT-2/CD85j (Accession #F7H3G7) 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.

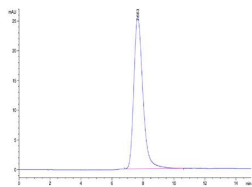
Contact

☎ | 400-999-6126

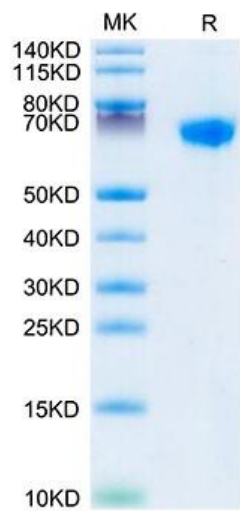
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

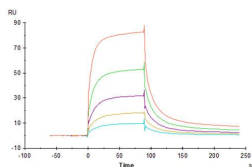
Validation Data



The purity of Rhesus macaque LILRB1/CD85j/ILT2 is greater than 95% as determined by SEC-HPLC.



Recombinant Rhesus macaque LILRB1/ILT-2/CD85j Protein was determined by Tris-Bis PAGE under reducing conditions.



Anti-LILRB1 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Rhesus macaque LILRB1, His Tag with an affinity constant of 215.30 nM as determined in SPR assay (Biacore T200).