

Cynomolgus LILRB2/CD85d/ILT4 Protein

Cat. No. LIL-CM1B2

Description

Source	Recombinant Cynomolgus LILRB2/CD85d/ILT4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly24-Arg457.
Accession	XP_015297203.1
Molecular Weight	The protein has a predicted MW of 48.2 kDa. Due to glycosylation, the protein migrates to 60-70 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

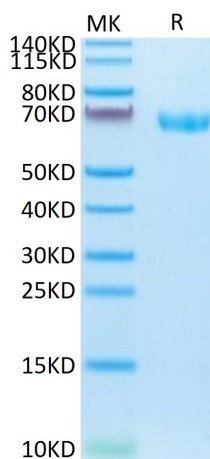
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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 minimize freeze-thaw cycles.

Background

The immunoglobulin-like transcript (ILT) comprise a family of activating and inhibitory type immunoreceptors whose genes are located in the same locus that encodes killer cell Ig-like receptors (KIR). ILT4, also known as LIR-2 and LILRB2, is a type I transmembrane protein expressed primarily on monocytes and dendritic cells (DC). LILRB2 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.

Assay Data

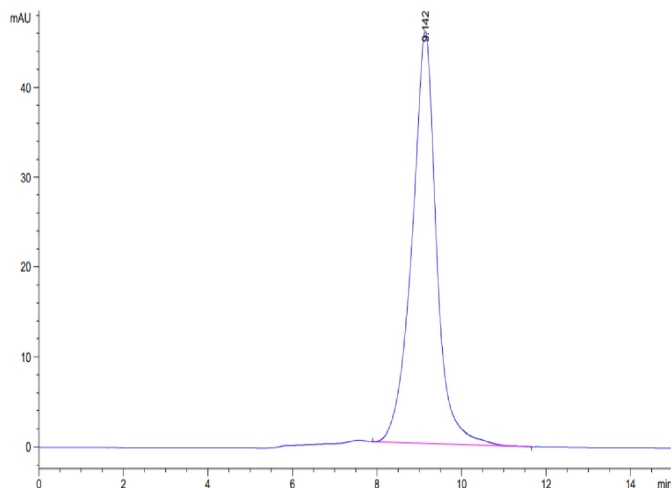
Tris-Bis PAGE



Cynomolgus LILRB2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

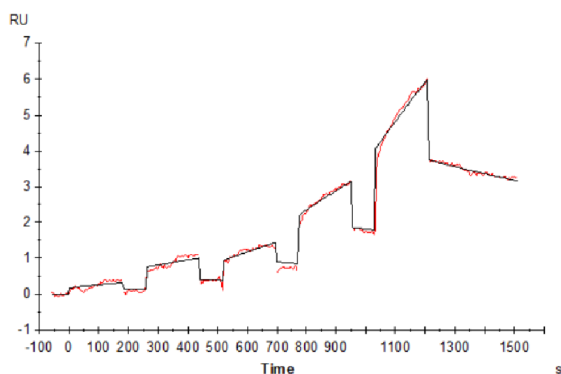
SEC-HPLC

Assay Data



The purity of Cynomolgus LILRB2 is greater than 95% as determined by SEC-HPLC.

SPR Data



Cynomolgus LILRB2, His Tag immobilized on CM5 Chip can bind Cynomolgus HLA-G Complex Tetramer, His Tag with an affinity constant of 852 nM as determined in SPR assay (Biacore T200).