

# Cynomolgus LILRB2/CD85d/ILT4 Protein

Cat. No. LIL-CM2B2

## Description

<b>Source</b>	Recombinant Cynomolgus LILRB2/CD85d/ILT4 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly24-Arg457.
<b>Accession</b>	XP_015297203.1
<b>Molecular Weight</b>	The protein has a predicted MW of 71.68 kDa. Due to glycosylation, the protein migrates to 80-90 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

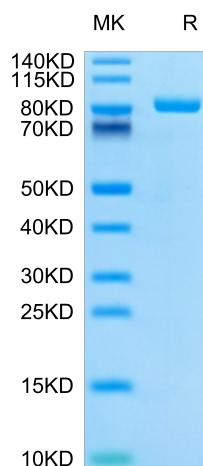
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

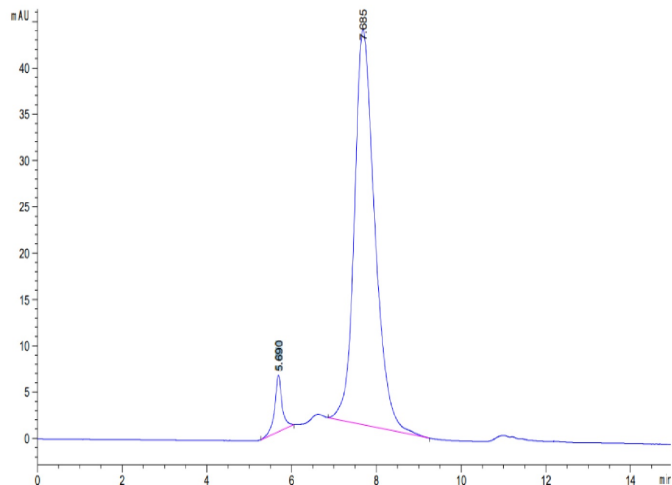
### Tris-Bis PAGE



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

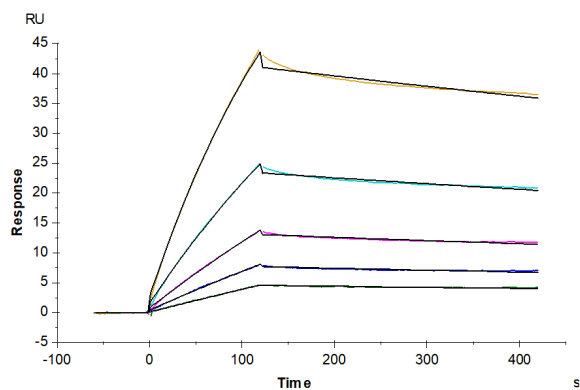
### SEC-HPLC

Assay Data



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

SPR Data



Cynomolgus LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus HLA-G Complex Tetramer, His Tag with an affinity constant of 42.50 nM as determined in SPR assay (Biacore T200).