Cynomolgus LILRB2/CD85d/ILT4 Protein

Cat. No. LIL-CM2B2

Description

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

Formulation and Storage

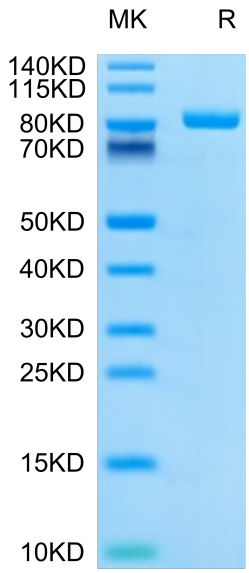
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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.

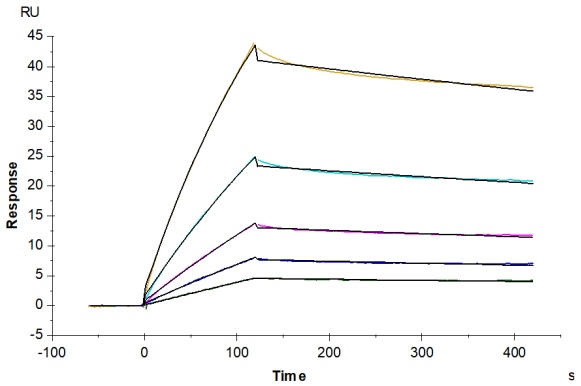
Assay Data

Bis-Tris PAGE



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

SPR Data



Cynomolgus LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag with an affinity constant of 42.50 nM as determined in SPR assay (Biacore T200).