Mouse LILRB4/CD85k/ILT3 Protein

Cat. No. LIL-MM1B4

Description

Source	Recombinant Mouse LILRB4/CD85k/ILT3 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly24-Lys238.
Accession	Q64281-1
Molecular Weight	The protein has a predicted MW of 25.1 kDa. Due to glycosylation, the protein migrates to 30-45 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
	> 95% as determined by HPLC

Formulation and Storage

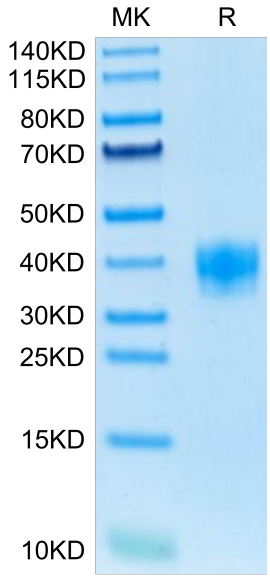
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

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.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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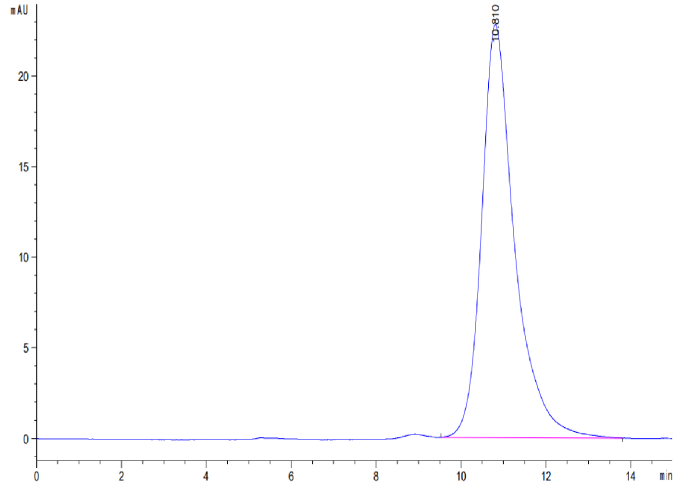
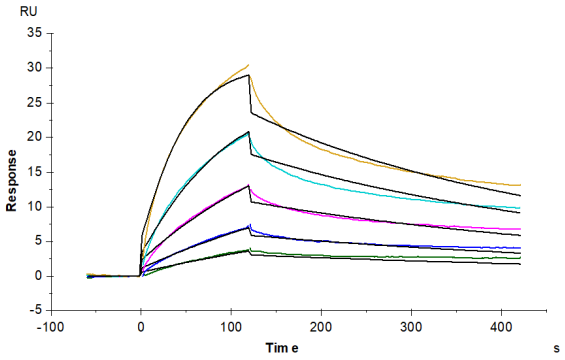
Assay Data



The purity of Mouse LILRB4 is greater than 95% as determined by SEC-HPLC.

SPR Data



Mouse LILRB4, His Tag immobilized on CM5 Chip can bind Mouse APOE, His Tag with an affinity constant of 5.08 nM as determined in SPR assay (Biacore T200).