

Biotinylated Human LILRB4/CD85k/ILT3 Domain 1+hinge Protein



Cat. No. LB4-HM4D4B

Description	
Source	Recombinant Biotinylated Human LILRB4/CD85k/ILT3 Domain 1+hinge Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln22-Lys123.
Accession	AAH26309.1
Molecular Weight	The protein has a predicted MW of 14.77 kDa. Due to glycosylation, the protein migrates to 15-20 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 > 90% as determined by HPLC

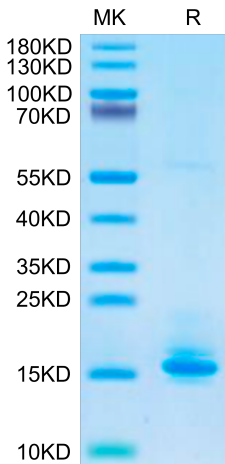
Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

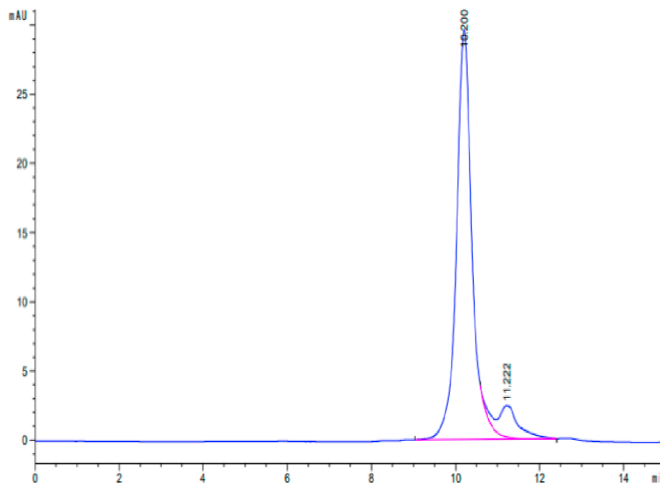
Assay Data

Tris-Bis PAGE



Biotinylated Human LILRB4 Domain 1+hinge on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human LILRB4 Domain 1+hinge is greater than 90% as determined by SEC-HPLC.