

# Human LILRB4/CD85k/ILT3 Domain 1 Protein

Cat. No. LB4-HM1D1

## Description

<b>Source</b>	Recombinant Human LILRB4/CD85k/ILT3 Domain 1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln22-Thr118.
<b>Accession</b>	AAH26309.1
<b>Molecular Weight</b>	The protein has a predicted MW of 14.26 kDa. Due to glycosylation, the protein migrates to 14.5-20 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

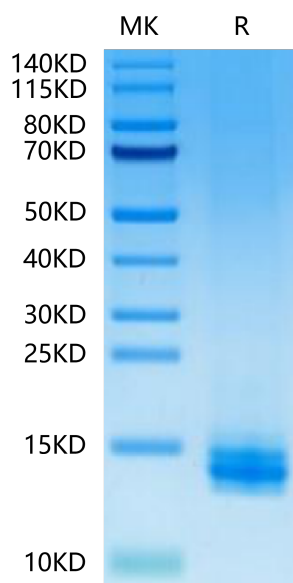
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

LILRB4, also known as CD85k and LIR-5, ILT-3, is an approximately 60 kDa transmembrane glycoprotein that negatively regulates immune cell activation. Mature human ILT-3 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

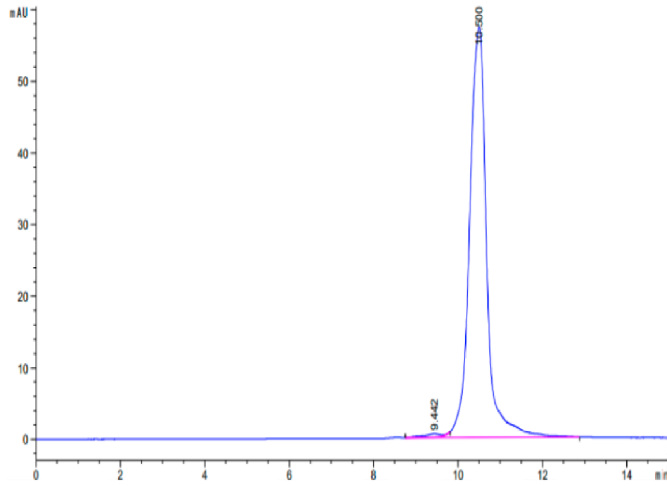
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data



The purity of Human LILRB4 Domain 1 is greater than 95% as determined by SEC-HPLC.