# Biotinylated Mouse LILRB4/CD85k/ILT3 Protein (Primary Amine Labeling)

**Cat. No.** LIL-MM1B4B

## Description

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| **Source** | Recombinant Biotinylated Mouse LILRB4/CD85k/ILT3 Protein (Primary Amine Labeling) 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 33-45 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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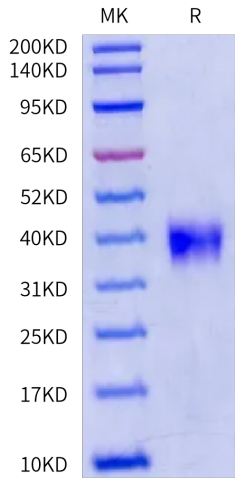
| **Formulation** | Supplied as 0.22 μm filtered solution in PBS (pH 7.4). |
| **Storage** | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## 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.

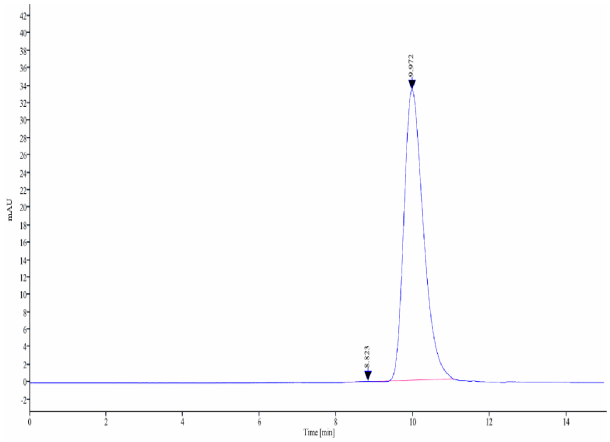
## Assay Data

### Bis-Tris PAGE




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

### SEC-HPLC



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