

## Mouse BTLA Protein

Cat. No. BTL-MM101

### Description

<b>Source</b>	Recombinant Mouse BTLA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu30-Gly176.
<b>Accession</b>	Q32MV9
<b>Molecular Weight</b>	The protein has a predicted MW of 17.8 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

### Formulation and Storage

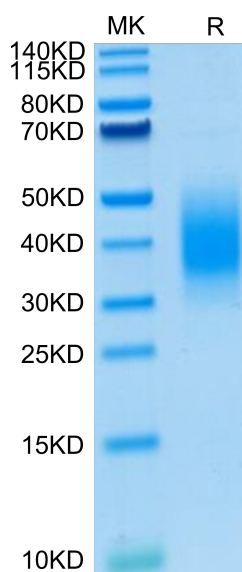
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

B- and T-lymphocyte attenuator (BTLA; CD272) is a 35 kDa type I transmembrane glycoprotein in the CD28 family of T cell costimulatory molecules. BTLA is a inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2. BTLA may interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14.

### Assay Data

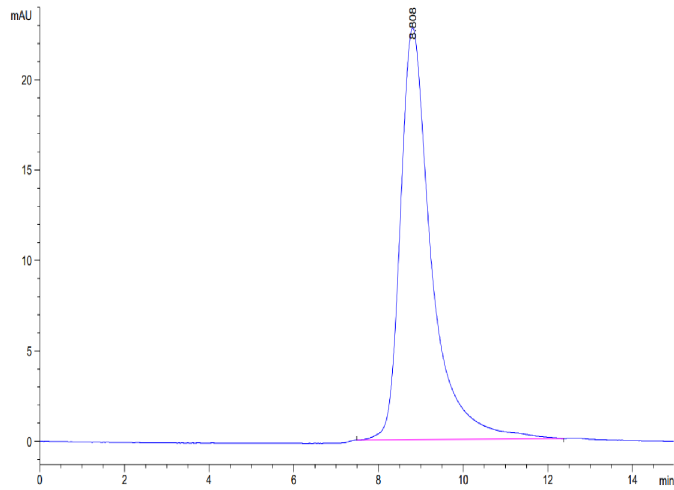
#### Bis-Tris PAGE



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

#### SEC-HPLC

Assay Data



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