

## Mouse BTLA Protein

Cat. No. BTL-MM101



### Description

Source	Recombinant Mouse BTLA Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Glu30-Gly176.
Accession	Q32MV9
Molecular Weight	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.
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

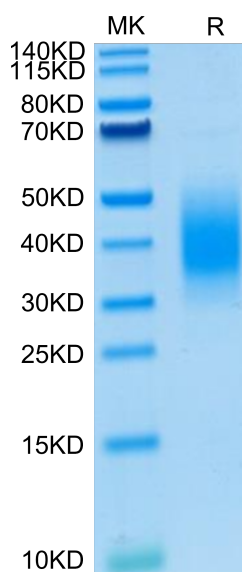
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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

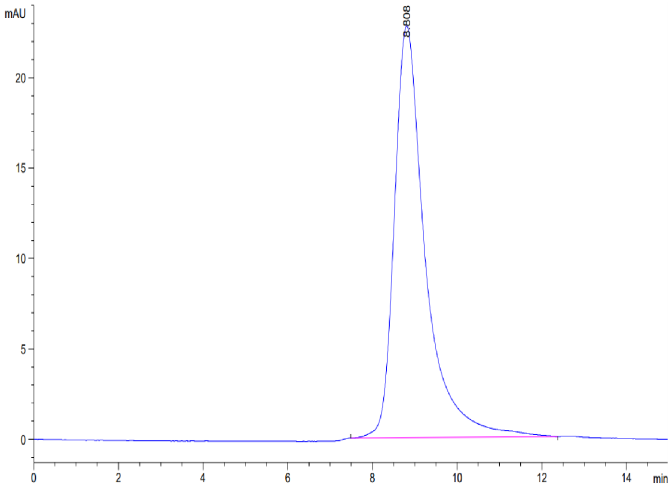
#### Bis-Tris PAGE



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.