

Rev04
 Update: Aug,20,2025

DATASHEET

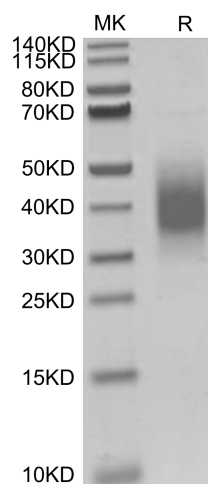
BTLA, His, Mouse

Cat. No.: Z06038

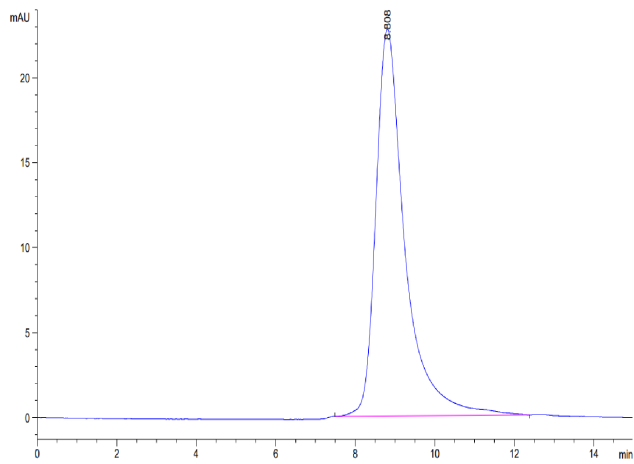
Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> BTLA (Glu30-Gly176)_x000D_ Accession # Q32MV9 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	17.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 35-50 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

Examples



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



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

Background

Target 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 an 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.

Synonyms : CD272; BTLA; BTLA1; FLJ16065; MGC129743

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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