

## MOUSE BTLA PROTEIN, MFC TAG

**Cat.#:** 11325

**Product Name:** Mouse BTLA Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** BTLA;D272

**Target:** BTLA

**UNIPROT ID:** Q7TSA3

**Description:** Recombinant mouse BTLA protein with C-terminal mFc tag

**Background:** Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:12796776, PubMed:14652006). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:19915044). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:19915044).

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 42.7 kDa after removal of the signal peptide. The apparent molecular mass of Mouse-BTLA-mFc is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** Mouse BTLA(Glu30-Pro176) mFc(Pro99-Lys330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

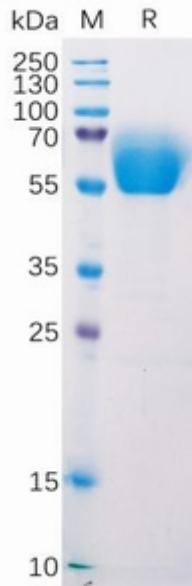


Figure 1. Mouse BTLA Protein, mFc Tag on SDS-PAGE under reducing condition.