

32-17596: Recombinant Mouse BTLA Protein, mFc Tag

Uniprot ID : Q7TSA3
Alternative Name : BTLA,CD272

Description

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

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.

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

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).

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.