

Datasheet for ABIN7490631
BTLA Protein (AA 30-176) (mFc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	BTLA
Protein Characteristics:	AA 30-176
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTLA protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant mouse BTLA protein with C-terminal mFc tag
Specificity:	Mouse BTLA (Glu30-Pro176) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	BTLA
Alternative Name:	BTLA (BTLA Products)
Background:	Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via

Target Details

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).

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

UniProt: [Q7TSA3](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

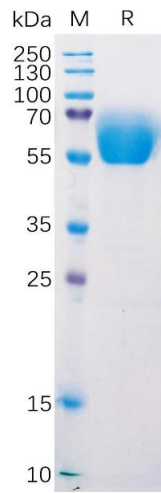
Format: Lyophilized

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

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

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