
Product Data Sheet

Product Name: BTLA Human
 Cat. No.: GP22905
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	B- and T-lymphocyte attenuator; B- and T-lymphocyte-associated protein; CD272; B And T Lymphocyte Associated; B- And T-Lymphocyte-Associated Protein; B- And T; Lymphocyte Attenuator; CD272 Antigen; BTLA1.		
Amino Acid Sequence	ADPKESCDVQ LYIKRQSEHS ILAGDPFELE CPVKYCANRP HVTWCKLNGT TCVKLEDRQT SWKEEKNI SF FILHFEPVLP NDNGSYRCSA NFQSNLIESH STTLYVTDVK SASERPSKDE MASRPWLLYS HHHHHH.		
Formulation	BTLA protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

BTLA, also known as B And T Lymphocyte Associated, is an inhibitory molecule which is part of the Ig superfamily. BTLA is a type 1 transmembrane glycoprotein in the CD28 family of T cell costimulatory molecules. BTLA is a 3rd inhibitory receptor on T lymphocytes with resemblances to CTLA-4 & PD-1. Moreover, BTLA is a ligand for TNF (receptor) superfamily, TNFRSF14, and HVEM. BTLA-HVEM complexes negatively regulate T-cell immune responses.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

BTLA produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 136 amino acids (31-157 a.a.) and having a molecular mass of 15.7kDa (Molecular size

Caution: Product has not been fully validated for medical applications. For research use only.

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on SDS-PAGE will appear at approximately 18-28kDa).BTLA is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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