

**BTLA/CD272**  
**Catalog # PVGS1634****Specification**

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**BTLA/CD272 - Product Information**

Primary Accession [Q7Z6A9-2](#)  
**Species**  
Human

**Sequence**  
Lys31-Leu150

**Purity**  
> 95% as analyzed by SDS-PAGE

**Endotoxin Level**  
≤ 1 EU/ µg of protein by LAL method

**Expression System**  
Human Cells

Formulation **Lyophilized from a 0.2 µm filtered solution in 20 mM PB, 150 mM NaCl, pH 7.4.**

**Reconstitution**  
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in distilled water up to 100 µg/ml.

**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4-7°C and up to 3 months at -20°C or below. Avoid repeated freeze-thaw cycles.

**BTLA/CD272 - Additional Information**

**Target Background**  
B- and T-Lymphocyte Attenuator (BTLA) is a single-pass type I membrane protein containing 1 Ig-like V-type (immunoglobulin-like) domain. BTLA expression is induced during activation of T cells, and BTLA remains expressed on Th1 cells but not Th2 cells. Like PD1 and CTLA4, BTLA interacts with a B7 homolog, B7H4. However, unlike PD-1 and CTLA-4, BTLA displays T-Cell inhibition via interaction with tumor necrosis family receptors (TNF-R), not just the B7 family of cell surface receptors. BTLA is a lymphocyte inhibitory receptor that inhibits lymphocytes during immune response. BTLA also is a ligand for tumor necrosis factor (receptor) superfamily, member 14 (TNFRSF14), also known as herpes virus entry mediator (HVEM). BTLAHVEM complexes negatively regulate T-cell immune responses.

**BTLA/CD272 - Protein Information**

**BTLA/CD272 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BTLA/CD272 - Images**