Datasheet for ABIN7318189

BTLA Protein (Fc Tag)

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Overview

Quantity:	50 µg
Target:	BTLA
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This BTLA protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human BTLA/CD272 Protein (Fc Tag)(Active)
Sequence:	Lys31-Leu150
Characteristics:	Recombinant Human B- and T-Lymphocyte Attenuator is produced by our Mammalian expression system and the target gene encoding Lys31-Leu150 is expressed with a Fc tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human BTLA-Fc at 2µg/ml(100 µl/well) can bind Human HVEM-His(Cat: PKSH033657).

Target Details

Target:	BTLA

Target Details

Alternative Name:	BTLA/CD272 (BTLA Products)
Background:	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). BTLA-HVEM complexes negatively regulate T-cell immune responses. Synonym: B- and T-Lymphocyte Attenuator, B- and T-Lymphocyte-Associated Protein, CD272, BTLA
Molecular Weight:	40.8 kDa
UniProt:	Q7Z6A9
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.