

Datasheet for ABIN7321059
BTLA Protein (Fc Tag,ECD)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	BTLA
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This BTLA protein is labelled with Fc Tag,ECD.

Product Details

Purpose:	Recombinant Rat BTLA/CD272 Protein (ECD, Fc Tag)(Active)
Sequence:	Ala6-Tyr183
Characteristics:	A DNA sequence encoding the rat Btla (NP_998795.1) (Ala6-Tyr183) was expressed with the Fc region of mouse IgG1 at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA.2. Immobilized rat BTLA-mFc at 10 µg/mL (100 µL/well) can bind mouse HVEM-Fc. The EC50 of mouse EFNA5-Fc is 6.2-14.4 ng/mL.

Target Details

Target:	BTLA
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Target Details

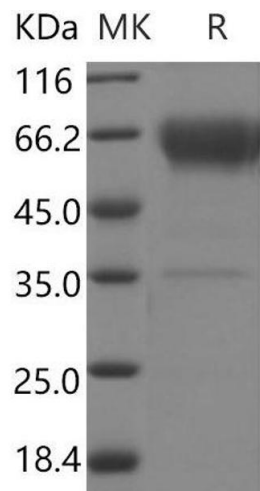
Alternative Name:	BTLA/CD272 (BTLA Products)
Background:	<p>Background: BTLA is a inhibitory molecule which belongs to the Ig superfamily. It down-modulates immune responses. As such, reagents that regulate the binding of BTLA to its ligand or alter BTLA signaling have significant therapeutic promise. BTLA is crucial to understand the mechanism(s) of action of these antibodies before attempting clinical applications. BTLA is not expressed by naive T cells, but it is induced during activation and remains expressed on T helper type 1 (T(H)1) but not T(H)2 cells. BTLA is a third inhibitory receptor on T lymphocytes with similarities to cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) and programmed death 1 (PD-1).Immune CheckpointImmune Checkpoint Targets Co-inhibitory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: BTLA</p>
Molecular Weight:	43.4 kDa
NCBI Accession:	NP_998795
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>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.</p>



Western Blotting

Image 1.