

Datasheet for ABIN7454080

BTLA Protein (AA 31-152) (His tag)



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Overview

Quantity:	100 µg
Target:	BTLA
Protein Characteristics:	AA 31-152
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTLA protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus BTLA Protein
Sequence:	Lys31-Pro152
Characteristics:	Recombinant Cynomolgus BTLA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Lys31-Pro152.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus BTLA, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-BTLA Antibody, hFc Tag with the EC50 of 8.6ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	BTLA
Alternative Name:	BTLA (BTLA Products)
Background:	B- and T-lymphocyte attenuator (BTLA, CD272) is a 35 kDa type I transmembrane glycoprotein in the CD28 family of T cell costimulatory molecules. BTLA is a inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2. BTLA may interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14.
Molecular Weight:	15.04 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5W7M7
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months