

Human BTLA Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3354

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human BTLA in direct ELISAs and Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human BTLA lle25-Ser150 Accession # AAP44003		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

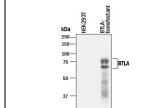
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below
Flow Cytometry	0.25 µg/10 ⁶ cells	Human whole blood lymphocytes
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Western Blot



Detection of Human BTLA by Western Blot. Western blot shows lysates of HEK293T human embryonic kidney cell line either mock transfected or transfected with human BTLA. PVDF membrane was probed with 0.5 µg/mL of Goat Anti-Human BTLA Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3354) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). Specific bands were detected for BTLA at approximately 70-80 kDa (as indicated). This experiment was conducted under reducing conditions and

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

• 12 months from date of receipt, -20 to -70 °C as supplied.

using Immunoblot Buffer Group 1.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution

BACKGROUN

B and T Lymphocyte Attenuator (BTLA) also known as CD272, is a 70kDa type I transmembrane glycoprotein of the CD28 family of T cell costimulatory molecules. BTLA functions as a coinhibitor on activated T cells and on B cells and dendritic cells. The extracellular domain (ECD) of this Ig superfamily protein contains one V-type Ig-like domain, which interacts with the herpesvirus entry mediator (HVEM/TNFSF14). The amino acid sequence of the ECD of human BTLA shares only 34% identity to that of mouse BTLA. One human BTLA variant lacking the transmembrane sequence has been reported.

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