

Datasheet for 600-401-Z97**BTLA Antibody****Overview**

Description:	Anti-BTLA (RABBIT) Antibody - 600-401-Z97
Item No.:	600-401-Z97
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The B- and T-lymphocyte attenuator (BTLA) protein is a member of the immunoglobulin superfamily containing a single immunoglobulin (Ig) domain. Like other cohibitory receptors such as CTLA-4 and PD-1, BTLA functions as a receptor that relays inhibitory signals to suppress the immune response, and can inhibit LPS-induced endotoxic shock by suppressing TLR4 signaling in innate immune cells. Polymorphisms in this gene have also been associated with an increased risk of rheumatoid arthritis.
Synonyms:	BTLA Antibody , BTLA1, CD272, B- and T-lymphocyte attenuator, B- and T-lymphocyte-associated protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BTLA
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BTLA antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the internal region of human BTLA.

Purity/Specificity:	Anti-BTLA Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. BTLA antibody is human specific. At least two isoforms of BTLA are known to exist.
Relevant Links:	• UniProtKB - Q7Z6A9 • GeneID - 151888 • NCBI - NP_861445

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BTLA Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 29 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IF:	20µg/mL
IHC:	2.5µg/mL
WB:	1-2µg/mL

Formulation

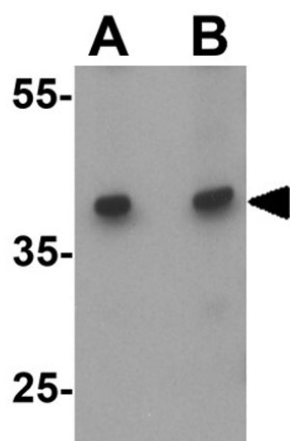
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

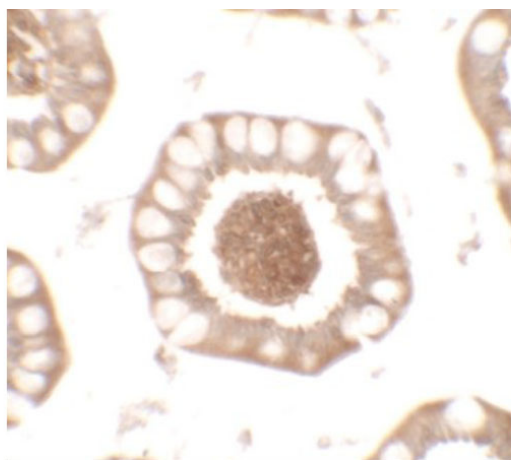
Expiration date is one (1) year from date of receipt.

Images**Western Blot**

Western blot of BTLA.

Load: Jurkat cell lysate.

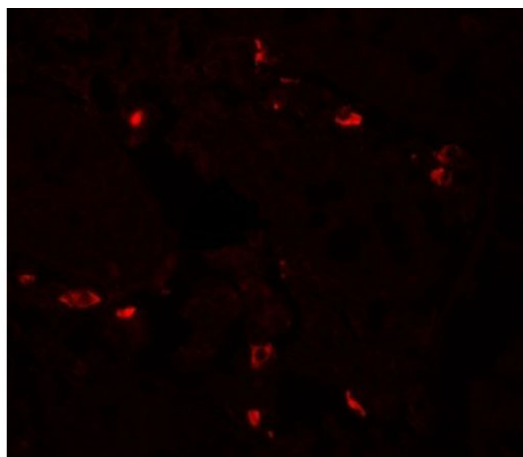
Primary Antibody: BTLA at (A) 1 and (B) 2 μ g/ml.

**Immunohistochemistry**

Immunohistochemistry of BTLA.

Tissue: human small intestine tissue.

Primary Antibody: BTLA antibody at 2.5 μ g/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of BTLA.

Tissue: human small intestine tissue.

Primary Antibody: BTLA antibody at 20 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.