

CD247/CD3Z Recombinant Monoclonal Antibody [BL-336-1B2]

Rabbit Recombinant Monoclonal

Purified Protein ID NP_932170.1
Catalog No. A700-017 GeneID 919
Lot No. A700-017-3



APPLICATIONS WB, IP, IHC, IHC-IF, F
SPECIES REACTIVITY Human
PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Mouse, Sheep and Pig
AMOUNT 100 µl (50+ tests)
CONCENTRATION 100 µg/ml
STORAGE/SHELF LIFE 2 - 8° C / 1 year from date of receipt
PHYSICAL STATE Liquid
BUFFER Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
ISOTYPE IgG
CLONE # BL-336-1B2
ORIGIN USA
PRODUCTION PROCEDURES Recombinant antibody was purified from cell culture supernatant.

Immunogen was a synthetic peptide representing a region between residue 150 and the C-terminus (residue 164) of human T-cell surface glycoprotein CD3 zeta chain using the numbering given in entry NP_932170.1 (GeneID 919).

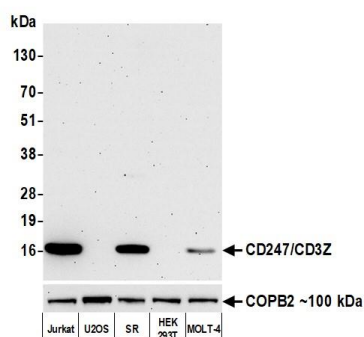
APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:1000
Immunoprecipitation 20 µl/mg lysate
Immunohistochemistry 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Immunofluorescence (IHC) 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Flow Cytometry 0.5 µl per 1 X 10⁶ cells

IHC HUMAN CONTROLS Appendix, Metastatic Lymph Node, Tonsil

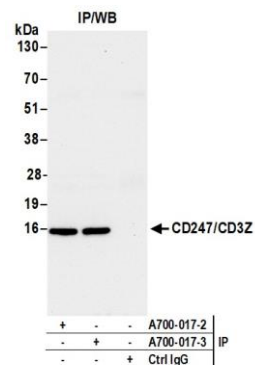
ADDITIONAL INFO <https://www.bethyl.com/product/A700-017>
Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Brian McWilliams, PhD Date: January 28, 2021



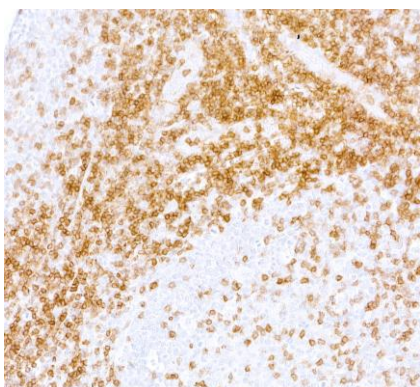
Detection of human CD247/CD3Z by western blot.

Samples: Whole cell lysate (10 µg) from Jurkat, U2OS, SR, HEK293T, and MOLT-4 cells prepared using NETN lysis buffer. **Antibody:** Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 3) used at 1:1000. **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



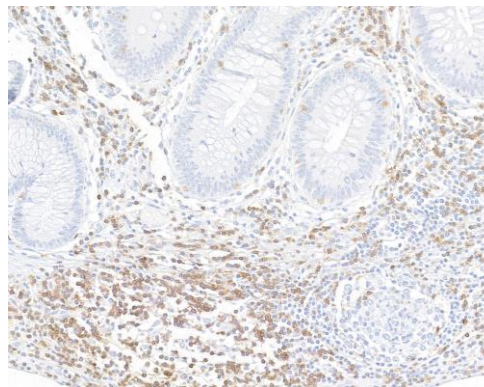
Detection of human CD247/CD3Z by western blot of immunoprecipitates.

Samples: Whole cell lysate (1 mg for IP; 10% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. **Antibodies:** Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 3) used for IP at 20 µl/mg lysate. CD247/CD3Z was also immunoprecipitated by a previous lot of this antibody (A700-017 lot 2). For blotting immunoprecipitated CD247/CD3Z, A700-017 was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.



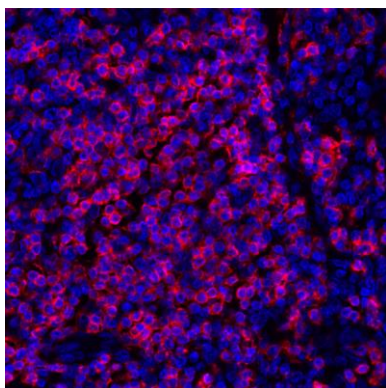
Detection of human CD247/CD3Z in FFPE tonsil by immunohistochemistry.

Antibody: Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 3). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB.

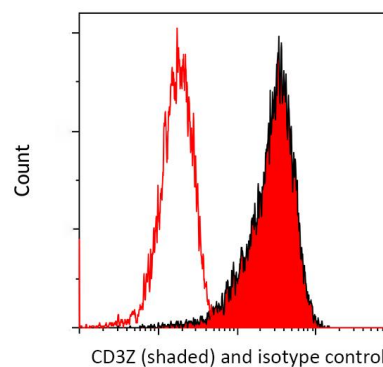


Detection of human CD247/CD3Z in FFPE appendix by immunohistochemistry.

Antibody: Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 3). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB.



Detection of human CD247/CD3Z (red) by immunohistochemistry. *Sample:* FFPE section of human tonsil. *Antibody:* Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 1) used at 1:250. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* Opal™. *Counterstain:* DAPI (blue).



CD3Z (shaded) and isotype control

Detection of human CD247/CD3Z by flow cytometry. *Sample:* Jurkat cells were fixed in 4% formaldehyde and permeabilized with 90% methanol. *Antibody:* 1E6 cells were incubated with 0.5 ul of rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 1) (red shaded) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-201D5).