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



Rabbit Recombinant Monoclonal

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Purified		Ref	Seq ID	NP_932170.1	
Catalog No.	A700-0	017–T Uni	iprot ID	P20963	
Lot No.	3	Gei	nelD	919	
APPLICATIONS		WB, IP, IHC, IHC–IF, Flow Cyt, SW–Size			
SPECIES REACTIVITY		Human			
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse, Goat and Pig			
AMOUNT		10 µl (5+ 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		000	
		Immunoprecipitation Immunohistochemis	stry 1:1	µl/mg lysate 00 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is ommended for FFPE tissue sections.	
		Immunofluorescenc (IHC)		00 to 1:500. Epitope retrieval with citrate buffer pH6.0 is ommended for FFPE tissue sections.	
		Flow Cytometry Simple Western™–Si		µl per 1 X 10^6 cells 0 – 1:250	
IHC HUMAN CONTROLS		Appendix, Metastatic Lymph Node, Tonsil			

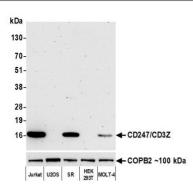
ADDITIONAL INFO https://www.fortislife.com/p/A700-017-T

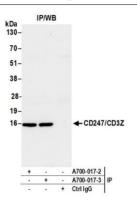
Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Michael Spencer, PhD Date: April 12, 2023

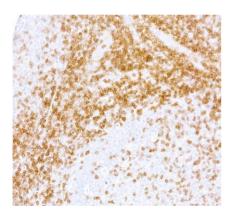
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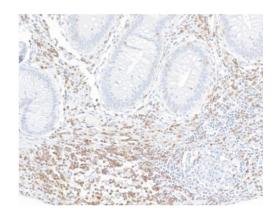




Detection of human CD247/CD3Z by western blot. Samples: Whole cell lysate (10 µg) from Jurkat, U2OS, SR, HEK293T, and MOLT-4 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017-T lot 3) used at 1:1000. Secondary: HRP-conjugated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

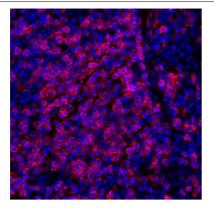


Detection of human CD247/CD3Z in FFPE tonsil by immunohistochemistry. *Antibody:* Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017-T lot 3). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB. Detection of human CD247/CD3Z by western blot of immunoprecipitates. *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-T lot 3) used for IP at 20 µl/mg lysate. CD247/CD3Z was also immunoprecipitated by a previous lot of this antibody (A700-017-T lot 2). For blotting immunoprecipitated CD247/CD3Z, A700-017 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



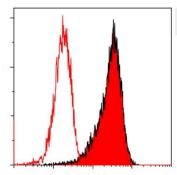
Detection of human CD247/CD3Z in FFPE appendix by immunohistochemistry. *Antibody:* Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017-T lot 3). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.

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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-T lot 1) used at 1:250. Secondary: HRP-conjugated goat anti-rabbit IgG (A120-501P). Substrate: Opal[™]. Counterstain: DAPI (blue).

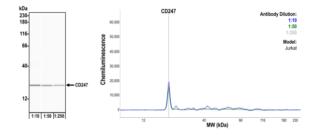


CD3Z (shaded) and isotype control

Detection of human CD247/CD3Z by flow cytometry.

Count

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-T lot 1) (red shaded) or isotype control (unshaded). Secondary: DyLight® 650-conjugated goat anti-rabbit IgG (A120-201D5).



Detection of human CD247/CD3Z by Simple Western.

Samples: Whole cell lysate (2.0 mg/mL) from Jurkat cells prepared using NETN lysis buffer. *Antibody*: Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017) used at 1:10, 1:50, 1:250. Separation and Detection: SallySue ProteinSimple instrument with the 12-230 kDa separation module and anti-Rabbit detection module. Left Panel: Virtual Lane View. Right Panel: Electropherogram.

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