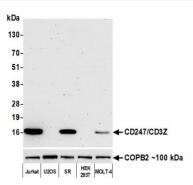
CD247/CD3Z Recombinant Monoclonal Antibody [BL-336-1B2]

Rabbit Recombinant Monoclonal					· · · · ·
Purified		Protein ID	NP_932170.1		
Catalog No.	A700-0	017	GenelD	919	BETHYL
Lot No.	A700-0	017-3			LABORATORIES, INC
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.			
FROCEDURES		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	1:1	000	
		Immunoprecipita	ation 20	µl/mg lysate	
		Immunohistoche	,	00 – 1:500. Epitope retrieval with c commended for FFPE tissue sections	
		Immunofluoresc (IHC)	1.1	00 to 1:500. Epitope retrieval with ommended for FFPE tissue sections	
		Flow Cytometry	0.5	µl per 1 X 10^6 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

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IP/WB

130

70

51

38

28

19

16

+

+

+

+

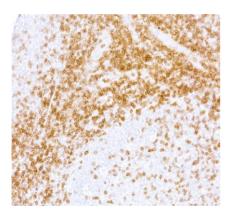
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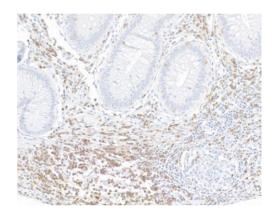
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Detection of human CD247/CD3Z by western blot. *Samples:* Whole cell lysate (10 μg) from Jurkat, U2OS, SR, HEK293T, and MOLT-4 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 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).

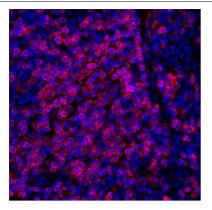


Detection of human CD247/CD3Z in FFPE tonsil by immunohistochemistry. *Antibody:* Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 3). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB. Detection of human CD247/CD3Z by western blot of immunoprecipitates.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



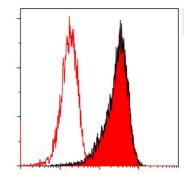
Detection of human CD247/CD3Z in FFPE appendix by immunohistochemistry. *Antibody:* Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (A700-017 lot 3). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.

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

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