

# Product Datasheet

## CD3 zeta Antibody (BL-336-1B2) NBP2-76399

Unit Size: 100 ul

Store at 2 - 8 C / 1 year from date of receipt

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**NBP2-76399**

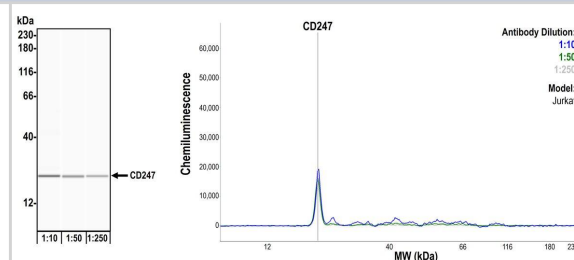
CD3 zeta Antibody (BL-336-1B2)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 2 - 8 C / 1 year from date of receipt
<b>Clonality</b>	Monoclonal
<b>Clone</b>	BL-336-1B2
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit CD3 zeta Antibody (BL-336-1B2) (NBP2-76399) is a recombinant monoclonal antibody validated for use in Multiplex Immunofluorescence, IHC, WB, Flow, ICC/IF, Simple Western and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	919
<b>Gene Symbol</b>	CD247
<b>Species</b>	Human
<b>Immunogen</b>	Immunogen sequence between amino acids 150-164 (C-Term)
<b>Notes</b>	This Product sold under License from Bethyl Laboratories, Inc.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Multiplex Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, Simple Western 1:10-1:250, Flow Cytometry 0.5 ul per 1 - 10 <sup>6</sup> cells, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100 - 1:500, Immunoprecipitation 20 ul/mg lysate, Immunohistochemistry-Paraffin 1:100 - 1:500, Multiplex Immunofluorescence
<b>Application Notes</b>	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Jurkat [2.0 mg/mL], separated by Size, antibody dilution of 1:10, 1:50, 1:250, apparent MW was 23-24 kDa

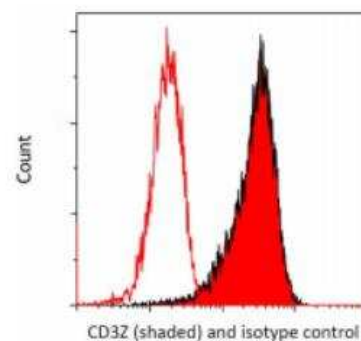


## Images

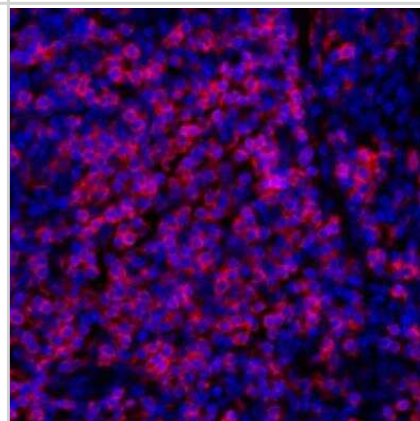
**Simple Western: CD3 zeta Antibody (BL-336-1B2) [NBP2-76399] -** Detection of human CD247/CD3Z by Simple Western. Samples: Whole cell lysate (2.0 mg/mL) from Jurkat cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (NBP2-76399) used 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. Image validated internally.



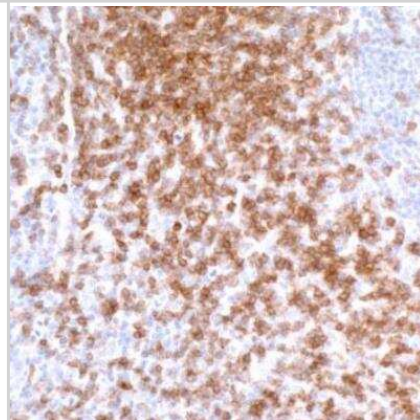
**Flow Cytometry: CD3 zeta Antibody (BL-336-1B2) [NBP2-76399] -** Jurkat cells were fixed in 4% formaldehyde and permeabilized with 90% methanol. Antibody: 1E6 cells were incubated with 0.5 ul of rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (red shaded) or isotype control (unshaded). Secondary: DyLight® 650-conjugated goat anti-rabbit IgG.



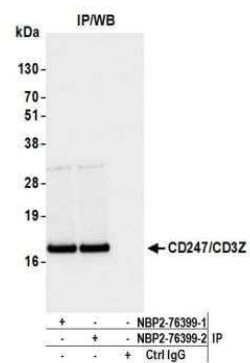
**Immunohistochemistry: CD3 zeta Antibody (BL-336-1B2) [NBP2-76399] -** Section of human tonsil. Antibody: Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] used at 1:250. Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: Opal™. Counterstain: DAPI (blue).



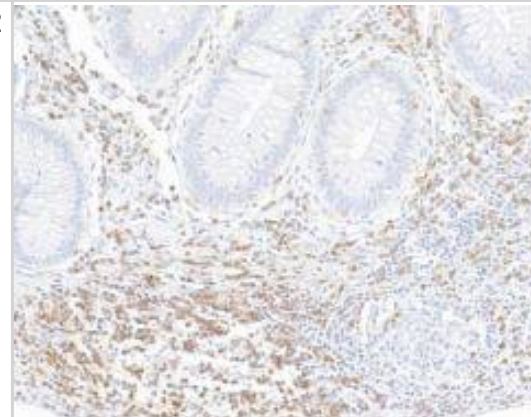
**Immunohistochemistry-Paraffin: CD3 zeta Antibody (BL-336-1B2) [NBP2-76399] -** Antibody: Rabbit anti-CD247/CD3Z recombinant monoclonal [BL-336-1B2]. Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.



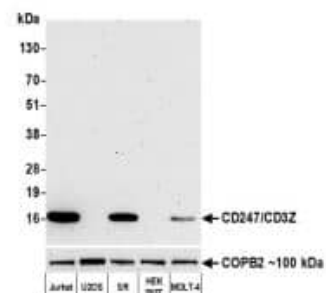
Immunoprecipitation: CD3 zeta Antibody (BL-336-1B2) [NBP2-76399] - Detection of human CD247/CD3Z by WB of immunoprecipitates from Jurkat lysate. Antibodies: Rabbit anti-CD247/CD3Z recombinant monoclonal antibody [BL-336-1B2] (NBP2-76399).



Immunohistochemistry-Paraffin: CD3 zeta Antibody (BL-336-1B2) [NBP2-76399] - Rabbit antiCD247/CD3Z recombinant monoclonal antibody [BL-336-1B2]. (Secondary: HRPconjugated goat anti-rabbit IgG. Substrate: DAB.



Western Blot: CD3 zeta Antibody (BL-336-1B2) [NBP2-76399] - Whole cell lysate (10 ug) 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] used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit antiCOPB2 antibody.





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### **Products Related to NBP2-76399**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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