Product Datasheet

BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free
NBP2-80597

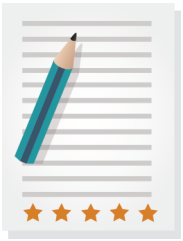
Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-80597

Updated 8/21/2023 v.20.1



NBP2-80597

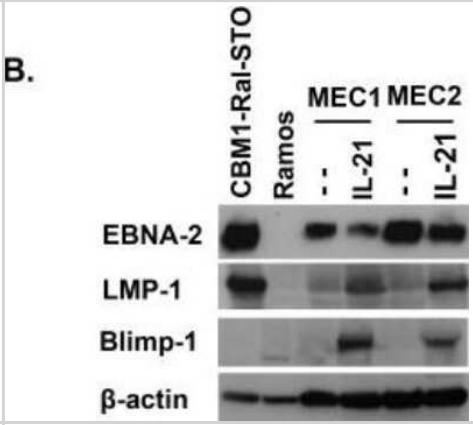
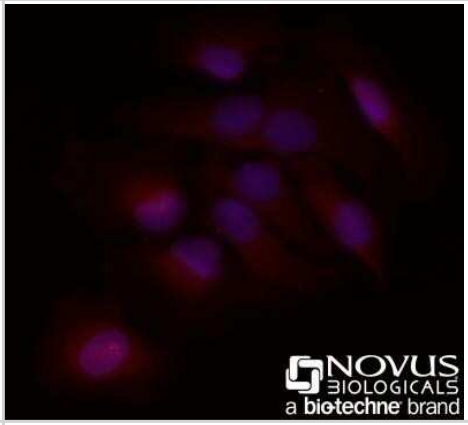
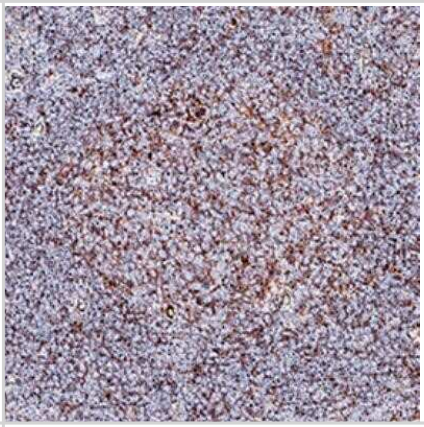
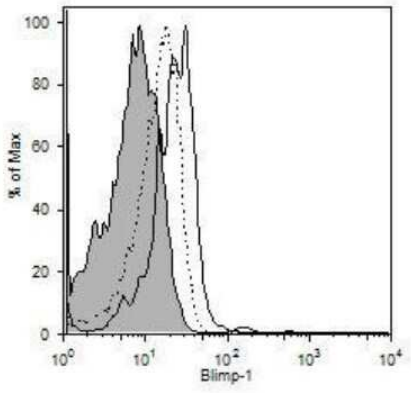
BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3H2-E8
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

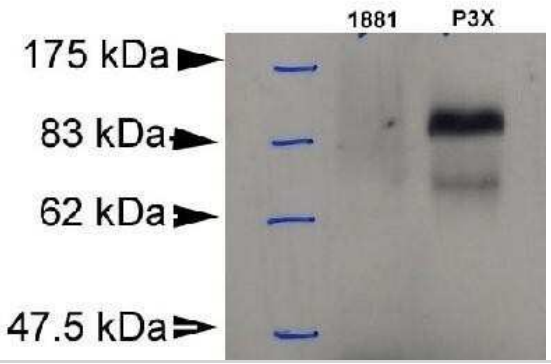
Product Description	
Host	Mouse
Gene ID	639
Gene Symbol	PRDM1
Species	Human, Mouse, Porcine
Reactivity Notes	Porcine usage reported in customer reviews
Immunogen	A fragment of mouse Blimp-1 corresponding to residues 199-409. [UniProt# Q60636]

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), CyTOF-ready
Recommended Dilutions	Western Blot : 1:1000, Flow Cytometry 2 10 6/ml, ELISA : 1:100-1:2000, Immunohistochemistry : 1:200, Immunocytochemistry/Immunofluorescence : 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin : 1:200, Immunohistochemistry-Frozen chromatin Immunoprecipitation 1 ug. Use reported in scientific literature, Chromatin Immunoprecipitation (ChIP), CyTOF-ready
Application Notes	By WB, this antibody recognizes a band at ~98 kDa and may recognize one at ~80 kDa (the beta form). Antigen retrieval is recommended (EDTA buffer, microwave) prior to IHC on paraffin tissues. This antibody demonstrates nuclear staining. For IHC and ICC/IF a dilution of 1:200 is recommended with tyramide amplification.

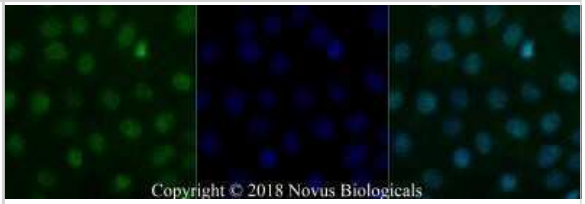
Images

Western Blot: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - The effect of IL-21 and CD40L exposure on MEC1 and MEC2 cells. Expression of EBNA-2 and LMP-1 in IL-21 treated cells. Expression of EBNA-2, LMP-1 and Blimp-1 by immunoblotting; positive control: CBM1-Ral-STO, negative control: Ramos. 1.5x105 cells were loaded in the control lanes and 5x105 were loaded in both untreated and IL-21 treated MEC1 and MEC2 lanes. Note low expression of EBNA-2 and high expression of LMP-1 after IL-21 treatment and induction of Blimp-1 after IL-21 treatment. Image collected and cropped by CiteAb from the following publication (http://dx.plos.org/10.1371/journal.pone.0106008), licensed under a CC-BY license. Image from the standard format of this antibody.	
Immunocytochemistry/Immunofluorescence: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-BLIMP1/PRDM1 (3H2-E8) conjugated to DyLight 550 [NB600-235R] at 20ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.	
Immunohistochemistry: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - Analysis using paraffin-embedded human tonsil tissue with BLIMP1/PRDM1 antibody at dilution of 1:50. Detection is completed through VC001 (DAB) and Counterstained by hematoxylin; labeling is predominantly in germinal centers. Images may not be copied	
Flow Cytometry: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - Blimp-1 expression by IL-10+ (black line), IL-10- (dotted line) or CD8+ (thin, shaded line) cells (Tedder Lab; Duke Univ) Image from the standard format of this antibody.	

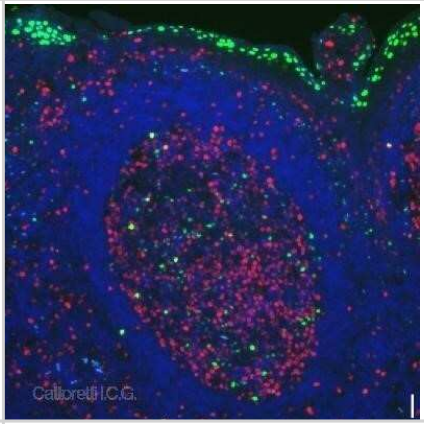
Western Blot: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - Detection of Blimp-1 in murine plasmacytoma cell lysate (P3X) using NB 600-235. 1881: murine pre-B cell lysate (negative control). Photo courtesy of DA Savitsky, Columbia University. Image from the standard format of this antibody.



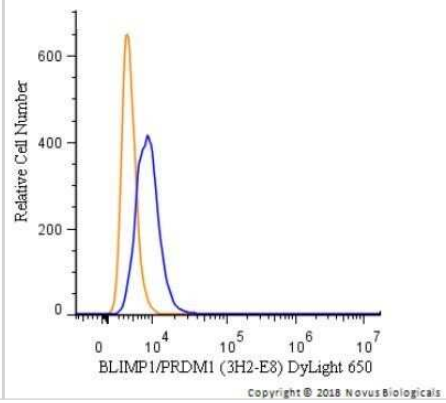
Immunocytochemistry/Immunofluorescence: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with anti-BLIMP1 (3H2-E8) at 10 ug/ml overnight at 4C and detected with an anti-mouse IgG Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.

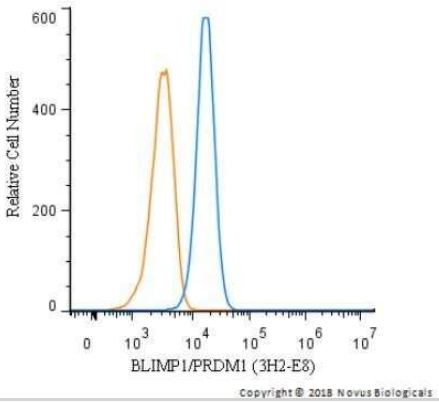
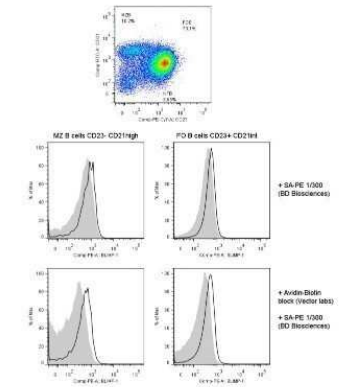
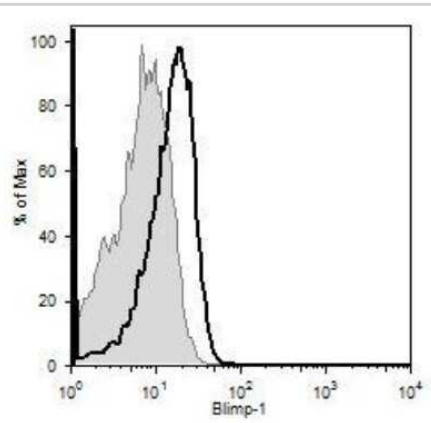
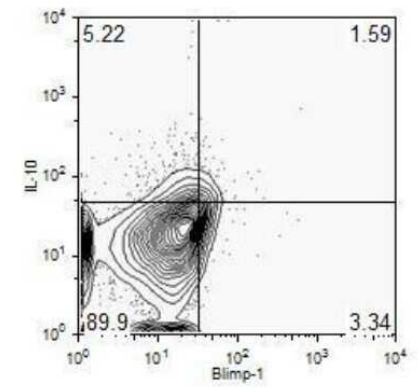


Immunocytochemistry/Immunofluorescence: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - Double IF for Blimp-1 (green) and Ki-67 (proliferation, red) with DAPI counterstain, at 10x magnification (scale bar is 10um). Positive surface epithelium and centrocytes are labelled. Photo courtesy of Dr. Giorgio Cattoretti, Institute for Cancer Genetics, Columbia University, NY. Image from the standard format of this antibody.



Flow Cytometry: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - An intracellular stain was performed on A431 cells with BLIMP1/PRDM1 [3H2-E8] Antibody NB600-235C (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to DyLight 650.



Flow Cytometry: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - An intracellular stain was performed on U266 cells with BLIMP1/PRDM1 Antibody (3H2-E8) NB600-235 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and permeabilized with 0.1% Saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by mouse F(ab)2 IgG (H+L) APC-conjugated secondary antibody (F0101B, R&D Systems). Image from the standard format of this antibody.	
Flow Cytometry: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - Analysis using the Biotin conjugate of NB600-235. Staining of Blimp-1 in mouse spleen. Image courtesy of product review by Branislav Krljanac.	
Flow Cytometry: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - Blimp-1 expression by CD19+ (thick black line) or CD8+ (thin, shaded line). (Tedder Lab; Duke Univ). Image from the standard format of this antibody.	
Flow Cytometry: BLIMP1/PRDM1 Antibody (3H2-E8) - Azide and BSA Free [NBP2-80597] - IL-10+Blimp-1-, IL-10+Blimp-1+, IL-10-Blimp-1+ and IL-10-Blimp-1- cells, % total living single splenic CD19+ cells of 3 total mice (Tedder Lab; Duke Univ). Image from the standard format of this antibody.	

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-80597

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00000639-Q01-10ug	Recombinant Human BLIMP1/PRDM1 GST (N-Term) Protein

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-80597

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications