

# Product Datasheet

## BLIMP1/PRDM1 Antibody NBP1-51991

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP1-51991****BLIMP1/PRDM1 Antibody**

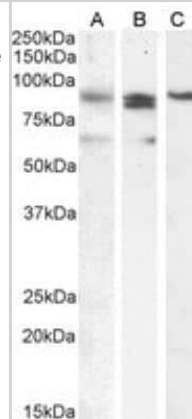
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat BLIMP1/PRDM1 Antibody (NBP1-51991) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-BLIMP1/PRDM1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	639
<b>Gene Symbol</b>	PRDM1
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID:32981181)
<b>Marker</b>	Plasma Cell Marker
<b>Specificity/Sensitivity</b>	This antibody is expected to recognize both reported isoforms (NP_001189.2; NP_878911.1).
<b>Immunogen</b>	Peptide with sequence C-DISDNADRLEDVED, from the internal region of the protein sequence according to NP_001189.2; NP_878911.1.

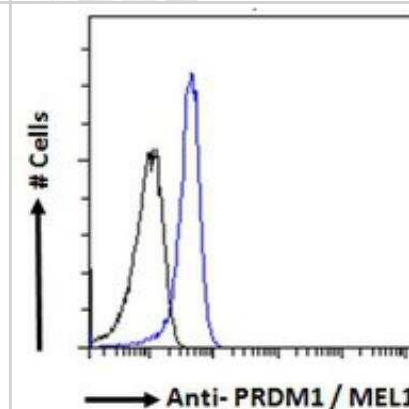
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 2 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 6 ug/ml, Peptide ELISA Detection limit 1:1000
<b>Application Notes</b>	WB: Approx 90kDa band observed in lysates of cell lines A431 and Nuclear K562, and approx. 100kDa in lysates of cell line K562. An additional faint band of approx 70kDa was also seen in some A431 and K562 lysates (calculated MW of 91.8kDa according to NP_001189.2 isoform 1 and 76.8kD according to NP_878911.1 isoform 2). Primary incubation 1 hour at room temperature.

## Images

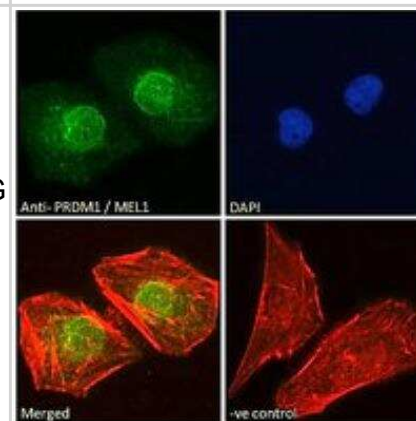
**Western Blot:** BLIMP1/PRDM1 Antibody [NBP1-51991] - Staining of A431 (A), (2 ug/mL) K562 (B) and (1 ug/mL) Nuclear K562 (C) cell lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.



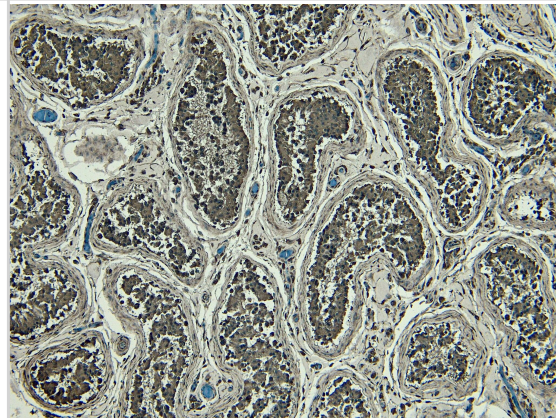
**Flow Cytometry:** BLIMP1/PRDM1 Antibody [NBP1-51991] - Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



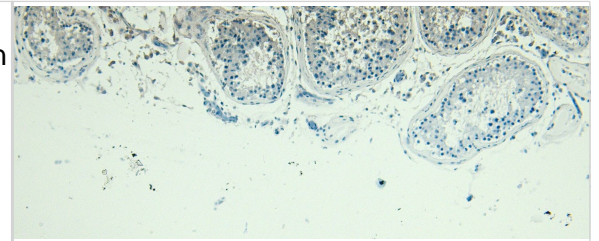
**Immunofluorescence:** BLIMP1/PRDM1 Antibody [NBP1-51991] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



**Immunohistochemistry-Paraffin:** BLIMP1/PRDM1 Antibody [NBP1-51991] - (6ug/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: BLIMP1/PRDM1 Antibody [NBP1-51991] - Negative Control showing staining of paraffin embedded Human Testis, with no primary antibody.



## Publications

Zhao Y, Qiu W, Liu J et al. Blockade of Kv1.3 potassium channel inhibits CD8+ T cell-mediated neuroinflammation via PD-1/Blimp-1 signaling FASEB J. 2020-09-27 [PMID: 32981181] (FLOW, Rat)

Wang X, Belguise K, O'Neill CF et al. RelB NF-kappaB represses estrogen receptor alpha expression via induction of the zinc finger protein Blimp1. Mol Cell Biol 2008-05-01 [PMID: 19433448]



### **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 NBP1-51991**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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