## Blimp-1/PRDI-BF1 (C14A4) Rabbit mAb



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Applications: W, IP, IF-IC, FC-FP	Reactivity: H M	Sensitivity: Endogenous	<b>MW (kDa):</b> 95-100	Source/Isotype: Rabbit IgG	#075626	Entrez-Gene Id: 639		
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation Immunofluorescence Flow Cytometry (Fixed	(Immunocytochem /Permeabilized)	istry)		<b>Dilution</b> 1:1000 1:100 1:100 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
		For a carrier free (BSA and azide free) version of this product see product #89036.						
Specificity/Sens	sitivity	Blimp-1/PRDI-BF1 (C14A4) Rabbit mAb detects endogenous levels of total Blimp-1/PRDI-BF1 protein.						
Species predicto based on 100% homology	ed to react sequence	Monkey						
Source / Purifica	ation	Monoclonal antibody residues surrounding	is produced by imm Val90 of human PR	unizing animals with a s DI-BF1 isoform 2.	synthetic peptide co	orresponding to		
Background		Blimp-1 (B lymphocyte repressor that is consi homolog, PRDI-BF1, w can inhibit virus-media differentiation of BCL1 of the cell surface mar antibody-secreting cel during macrophage d role in homeostasis ar chromatin-modifying genes of Blimp-1 trans CIITA (11), Pax5 (12), S	e-induced maturation dered a master reg vas identified by its ated IFN-β producti I lymphoma cells in ther Syndecan-1 (1). Is including activate ifferentiation (3) an and differentiation (6) enzymes including scriptional repression pi-B, and Id3 (13).	on protein) is a nuclear z ulator of terminal B cell ability to bind to the PRI on (2). Expression of Blir to antibody secreting pl In the B cell lineage, Bli ed B and plasma cells. Ir d in a subset of T cells (4 ). Mechanistically, Blimp histone deacetylases (7) on with potential roles in	inc-finger containir development (1). T DI element on the I np-1 is sufficient to asma cells, increasi mp-1 is specifically addition, Blimp-1 ,5), suggesting it m -1 is thought to act and methyltransfe differentiation inc	ng transcriptional he human FN-β promoter and o drive terminal ing the expression expressed in has been found hay play a wider by recruiting rases (8,9). Target lude c-Myc (10),		
Background Re	ferences	1. Turner, C.A. et al. (19 2. Keller, A.D. and Man 3. Chang, D.H. et al. (2 4. Kallies, A. et al. (200 5. Martins, G.A. et al. (200 6. Kallies, A. and Nutt, 7. Yu, J. et al. (2000) <i>M</i> 8. Gyory, I. et al. (2004 9. Ancelin, K. et al. (200 10. Lin, Y. et al. (1997) 11. Chen, H. et al. (2002 13. Shaffer, A.L. et al. (	994) <i>Cell</i> 77, 297-30 iatis, T. (1991) <i>Gene</i> 000) <i>Nat Immunol</i> 7, 4 2006) <i>Nat Immunol</i> 7, 4 2006) <i>Nat Immunol</i> 5, 2 2006) <i>Nat Immunol</i> 5, 29 06) <i>Nat Cell Biol</i> 8, 6 <i>Science</i> 276, 596-9. 17) <i>Mol Immunol</i> 44 2) <i>Mol Cell Biol</i> 22, 4 2006) <i>Immunol Rev</i>	5. 5. 5. Dev 5, 868-79. 1, 169-76. 466-74. 7, 457-65. 603. 603. 99-308. 23-30. 1461-70. 771-80. 2210, 67-85.				
Species Reactiv	ity	Species reactivity is de	termined by testing	g in at least one approve	d application (e.g.,	western blot).		
Western Blot Bu	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20	ern blots, incubate at 4°C with gentle s	membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X		

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Applications Key	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-</b> <b>FP:</b> Flow Cytometry (Fixed/Permeabilized)		
Cross-Reactivity Key	H: Human M: Mouse		
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