Revision 8		
Ϝϼͺϙ ϜϲγRIIB (D8F9C) XP [®] Rabbit mAb	Ce T E	ell Signaling
	Orders:	877-616-CELL (2355) orders@cellsignal.com
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Applications: R W, IP, IHC-Bond, IHC-P, FC-FP	eactivity: M	Sensitivity: Endogenous	MW (kDa): 60-80	Source/Isotype: Rabbit IgG	UniProt ID: #P08101	Entrez-Gene I 14130		
Product Usage Information		Application Western Blotting Immunoprecipitation IHC Leica Bond Immunohistochemist Flow Cytometry (Fixed	ry (Paraffin)			Dilution 1:1000 1:50 1:100 1:100 1:400		
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 #81563.						
Specificity/Sensitiv	ity	FcγRIIB (D8F9C) XP [®] Rabbit mAb recognizes endogenous levels of total FcγRIIB protein. Please note that non-specific signal was observed in kidney tubules by IHC.						
Source / Purificatio	on	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro284 of mouse FcγRIIB protein.						
Background		macrophages, and de immunoreceptor tyro Binding of immune cc Tyr292 and recruitme activation (2,4). In this example, mice deficie complexes (5,6). In ad FcyRIIB in the absence	ndritic cells (DCs) (1 sine-based inhibito pmplexes to FcyRIIE nt of the phosphata s way, FcyRIIB supp nt for FcyRIIB have dition, FcyRIIB play e of signaling throu the BCR simultaneo	inding receptor express -3). It is the inhibitory For ry motif (ITIM) within its results in tyrosine phos ise SHIP, which mediatee resses the effects of acti greater T cell and DC re s a role in B cell affinity i gh the B cell receptor (B usly attenuates the apop	c receptor and sigr carboxy-terminal phorylation of the s inhibitory effects vating Fc-binding r sponses following maturation (7). Sig CR) is proapoptoti	aals through an cytoplasmic tail (2). ITIM motif at on immune cell receptors (3). For injection of immun naling through c, while signaling		
Background Refere	ences	 Tridandapani, S. et al. (2002) <i>J. Biol. Chem.</i> 277, 5082-89. Tridandapani, S. et al. (1997) <i>Mol. Cell. Biol.</i> 17, 4305-11. Guilliams, M. et al. (2014) <i>Nat Rev Immunol</i> 14, 94-108. Bruhns, P. et al. (2000) <i>J. Biol. Chem.</i> 275, 37357-64. Kalergis, A.M. and Ravetch, J.V. (2002) <i>J Exp Med</i> 195, 1653-9. Desai, D.D. et al. (2007) <i>J Immunol</i> 178, 6217-26. Pearse, R.N. et al. (1999) <i>Immunity</i> 10, 753-60. 						
Species Reactivity		Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.	, western blot).		
Western Blot Buffe	r		/PORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X BS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key		W: Western Blotting IP: Immunoprecipitation IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin) FC-FP: Flow Cytometry (Fixed/Permeabilized)						
Cross-Reactivity Ke	y	M: Mouse						
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