

Supplemental Table S1. Antibodies.

Antibody to	Type	Company	Cat. No.	Assays
Mouse CD45R (B220), biotin-conjugated	Rat mAb	eBioscience	13-0452	FCM
Mouse CD45R (B220), PE-conjugated	Rat mAb	eBioscience	12-0452	FCM
Mouse CD45R (B220), FITC-conjugated	Rat mAb	eBioscience	11-0452	FCM, IF
Mouse CD45R (B220), APC-conjugated	Rat mAb	eBioscience	17-0452	FCM
Mouse CD19, PE-conjugated	Rat mAb	eBioscience	12-0193	FCM
Mouse IgM, FITC-conjugated	Rat mAb	BD Biosciences	553437	FCM
Mouse IgG1, FITC-conjugated	Rat mAb	BD Biosciences	553443	FCM
Mouse IgG1, APC-conjugated	Rat mAb	BD Biosciences	550874	FCM
Mouse IgG2a, biotin-conjugated	Rat mAb	BD Biosciences	553388	FCM
Mouse IgG3, FITC-conjugated	Rat mAb	BD Biosciences	553403	FCM
Mouse IgA, FITC-conjugated	Rat mAb	BD Biosciences	559354	FCM
Mouse IgA, biotin-conjugated	Goat pAb	Southern Biotech	1040-08	FCM, ELISA
Mouse IgE, PE-conjugated	Rat mAb	eBioscience	12-5992-81	FCM
Mouse CD138, biotin-conjugated	Rat mAb	BD Biosciences	553713	FCM
Mouse CD5, FITC-conjugated	Rat mAb	eBioscience	11-0051	FCM
Mouse CD3, FITC-conjugated	Rat mAb	BioLegend	100204	FCM
Mouse CD4, PE-conjugated	Rat mAb	eBioscience	12-0041	FCM
Mouse CD8, APC-conjugated	Rat mAb	eBioscience	17-0081	FCM
Mouse Ig, unconjugated	Goat pAb	Southern Biotech	1010-08	ELISA
Mouse IgG, unconjugated	Goat pAb	Southern Biotech	1030-08	ELISA
Mouse IgE, unconjugated	Goat pAb	Bethyl	A90-1158	ELISA
Mouse IgM, biotin-conjugated	Goat pAb	Southern Biotech	1022-08	ELISA, ELISPOT
Mouse IgG1, biotin-conjugated	Goat pAb	Southern Biotech	1070-08	ELISA, ELISPOT
Mouse IgG2a, biotin-conjugated	Goat pAb	Southern Biotech	1080-08	ELISA
Mouse IgG2b, biotin-conjugated	Rat mAb	Biolegend	406704	ELISA
Mouse IgG3, biotin-conjugated	Goat pAb	Southern Biotech	1100-08	ELISA
Mouse IgE, biotin-conjugated	Goat pAb	Southern Biotech	1110-08	ELISA
Rabbit IgG, Alexa Fluor 647-conjugated	Goat pAb	Life Technologies	A21244	IF
Mouse Rab7	Rabbit mAb	Abcam	ab137029	IB, IF
Mouse CD40	Rat mAb	Abcam	ab25298	IF
Mouse LC3	Rabbit pAb	Abcam	ab58610	IB
Mouse phospho-NF- κ B p65	Rabbit mAb	Cell Signaling Technology	3033	IB
Mouse NF- κ B p65	Rabbit mAb	Cell Signaling Technology	4764	IB
Mouse NF- κ B p52 (and p100)	Rabbit pAb	Santa Cruz Biotechnology	sc-298	IB
Mouse phospho-p38	Rabbit mAb	Cell Signaling Technology	4511	IB
Mouse p38	Rabbit mAb	Cell Signaling Technology	8690	IB
Mouse phospho-ERK1/2	Rabbit mAb	Cell Signaling Technology	4370	IB
Mouse ERK1/2	Rabbit mAb	Cell Signaling Technology	4695	IB
Mouse AID	Mouse mAb	Invitrogen	39-2500	IB
Mouse Blimp-1	Rat mAb	eBioscience	14-5963-82	IB
Mouse β -actin	Mouse mAb	Sigma	A5441	IB

Abbreviations: mAb, monoclonal antibody; pAb, polyclonal antibody; ELISA, enzyme-linked immunosorbent assay; ELISPOT, enzyme-linked immunosorbent spot; FCM, flow cytometry; IB, immunoblotting; IF, immunofluorescence microscopy.

Supplemental Table S2. Oligonucleotide sequences.

		Forward primer	Reverse primer
qRT-PCR	<i>CD79b</i>	5'- TGTTGGAATCTGCAAATGGA -3'	5'- TAGGCTTTGGGTGATCCTTG -3'
	<i>Iγ1-Cγ1</i>	5'- TCGAGAAGCCTGAGGAATGTG -3'	5'- ATGGAGTTAGTTTGGGCAGCA -3'
	<i>Iγ1-Cμ</i>	5'- TCGAGAAGCCTGAGGAATGTG -3'	5'- GGTACTTGCCCCCTGTCCTCAG -3'
	<i>Iμ-Cγ1</i>	5'- ACCTGGGAATGTATGGTTGTGGCTT -3'	5'- ATGGAGTTAGTTTGGGCAGCA -3'
	<i>Iε-Cε</i>	5'- ACTAGAGATTCACAACG -3'	5'- AGCGATGAATGGAGTAGC -3'
	<i>Iμ-Cε</i>	5'- ACCTGGGAATGTATGGTTGTGGCTT -3'	5'- AGCGATGAATGGAGTAGC -3'
	<i>Iε-Cμ</i>	5'- ACTAGAGATTCACAACG -3'	5'- GGTACTTGCCCCCTGTCCTCAG -3'
	<i>Aicda</i>	5'- AGAAA GTCAC GCTGG AGACC -3'	5'- CTCCTCTTCACCACGTAGCA -3'
	<i>14-3-3γ</i>	5'- GGCCGCGGCCATGAAGAACG -3'	5'- GGAGCGGCGAGCCCCCACCACG -3'
	<i>Prdm1</i>	5'- TTCTCTTGAAAAACGTGTGGG -3'	5'- GGAGCCGGAGCTAGACTTG -3'
	<i>Xbp1</i>	5'- AAGCCCGGATGAGCGAGCTG -3'	5'- ACCCGGCCACCAGCCTTACT -3'
	<i>Becn1</i>	5'- ATGGAGGGGTCTAAGGCGTC -3'	5'- TGGGCTGTGGTAAGTAATGGA -3'
	<i>Vps34</i>	5'- GGGCTATACCAAGAGACATGC -3'	5'- CGCCTTGTAGGATGTTCTGACT -3'
	<i>LC3</i>	5'- GACCGCTGTAAGGAGGTGC -3'	5'- AGAAGCCGAAGGTTTCTTGGG -3'
	<i>Gabarap</i>	5'- AAGAGGAGCATCCGTTCGAGA -3'	5'- GGACCCGGTCTGGGTATTTC -3'
	<i>Atg4a</i>	5'- GGGATTGGAAGTGGGAGAGAC -3'	5'- ACACCCATTTGTCCATCTGA -3'
	<i>Atg3</i>	5'- TCCATGCTACAAGCGGTGTAA -3'	5'- CTTGCTTCCAGTGAATCTCCT -3'
Genotyping	<i>Rab7⁺</i> allele	5'- TTAGGCTGTATGTATGTGC -3'	5'- CTCACTCACTCCTAAATGG -3'
	<i>Rab7^{fl}</i> allele	5'- TTAGGCTGTATGTATGTGC -3'	5'- CTCACTCACTCCTAAATGG -3'
	<i>Rab7^{del}</i> allele	5'- GGGCTGCAGGAATTCGGATAAC -3'	5'- CTCACTCACTCCTAAATGG -3'
	<i>Igh⁺</i> allele	5'- TGTTGGGACAAACGAGCAATC -3'	5'- GTCATGGCAATGCCAAGGTCGCTAG -3'
	<i>Igh^{Cγ1-cre}</i> allele	5'- GGTGGCTGGACCAATGTAAATA -3'	5'- GTCATGGCAATGCCAAGGTCGCTAG -3'