

Supplemental Table 1. Reagents used in primary B cell culture

Reagent	Concentration	Source
Anti-IgM Antibodies	20 $\mu\text{g}/\text{mL}$	Jackson ImmunoResearch, West Grove, PA
BAFF	100 ng/mL	Peptotech, Rocky Hill, NJ
Cytochalasin D	1 $\mu\text{g}/\text{mL}$	Sigma-Aldrich, St. Louis, MO
CD40L	50 ng/mL	R&D Systems, Minneapolis, NE
Hemin	20-40 μM	Sigma-Aldrich, St. Louis, MO
Imatinib	10 μM	Sigma-Aldrich
LPS	10 $\mu\text{g}/\text{mL}$	List Biological Laboratories, Campbell, CA
Recombinant murine IL-4	10 ng/mL	R&D Systems, Minneapolis, NE
Recombinant murine IL-5	10 ng/mL	R&D Systems

Supplemental Table 2. Primer sequences for cloning and site-directed mutagenesis

Primer Name	DNA Sequence (5' → 3')
<i>Spic promoter cloning fwd</i>	GTT ATA AAG ACC CAC AGC CTC TAC
<i>rev</i>	CAA GCT TCA AGT GGC GAT ATC TGT ACT G
<i>Spic promoter SDM fwd</i>	CGA TTT TTT TTA AAA GGC ACA GTG
<i>rev</i>	GCT TTG CAG CAC TTC CTT AAA AAA TAG
<i>Spic ROI 1 cloning fwd</i>	TAA GTA ATA GGG AGG GAA ATA CCA AGC
<i>rev</i>	ATT CAT GTG ACT TTC CCA CGT C
<i>Spic ROI 1 SDM fwd</i>	AAA AAA CCC ACA ACT AAG CAA AAC TGG
<i>rev</i>	TTT TTT TTT TTC CAA AAG CTA TTT TG
<i>Spic ROI 2 cloning fwd</i>	CTC CTT TCC ATA TTG CTC ACT TAA ATC
<i>rev</i>	CCA AGT CTG AGC TTT CAA ATT CTA C
<i>Spic ROI 2 SDM fwd</i>	CTG AGA ACA ACA AGT CAG CAA ACT TGC
<i>rev</i>	AGG AAC ATC ACG AGC CAT

Supplemental Table 3. Primer sequences for RT-qPCR

Primer Name	DNA Sequence (5' → 3')	Source
<i>Acly fwd</i>	CCA GTG AAC AAC AGA CCT ATG A	(Rhee et al., 2019)
<i>rev</i>	AAT GCT GCC TCC AAT GAT G	
<i>Actb fwd</i>	TCA TCA CTA TTG GCA ACG AGC GGT TC	
<i>rev</i>	TAC CAC CAG ACA GCA CTG TGT TGG CA	
<i>Bach2 fwd</i>	CAT CTC TTC CTC TGC CCA GT	(Kometani et al., 2013)
<i>rev</i>	AGA CAT GCC GTT CAA ACC AT	
<i>Spi1 fwd</i>	ATT CGC CTG TAC CAG TTC CTG C	
<i>rev</i>	TGG ACG AGA ACT GGA AGG TAC C	
<i>Spib fwd</i>	GAG CGC TGC GCA ACT ATG C	
<i>rev</i>	GAC ATG CCG GGA GGC TG	
<i>Spic fwd</i>	AAA GGG AGG AAG AGG CAG GAG AAA	
<i>rev</i>	AAG TCT TTG GAG AAC AGC CTC GCT	
<i>Tbp fwd</i>	ACC GTG AAT CTT GGC TGT AAA C	(Eissa et al., 2016)
<i>rev</i>	GCA GCA AAT CGC TTG GGA TTA	
<i>Tp53 fwd</i>	CTC ACT CCA GCT ACC TGA AGA	(J. Li et al., 2008)
<i>rev</i>	AGA GGC AGT CAG TCA GTC TGA GTC A	