

Table S1. Key Resources

Reagent or Resources	Source	Identifier
FACS Antibodies		
APC-conjugated monoclonal anti-mouse CD11c	eBioscience	REF: 17-0114-81
PE-conjugated monoclonal anti-mouse CD40 (Clone: 1C10)	eBioscience	REF: 12-0401-81
PE-conjugated monoclonal anti-mouse CD80 (Clone: 16-10A1)	eBioscience	REF: 12-0801-81
PE-conjugated monoclonal anti-mouse CD86 (Clone: GL1)	eBioscience	REF: 12-0862-82
APC-conjugated monoclonal anti-mouse MHC class II (I-A/I-E) Clone: M5/114.15.2	eBioscience	REF: 17-5321-81
APC-conjugated monoclonal anti-mouse CD273 (B7-DC, PD-L2) Clone: TY25	eBioscience	Cat: 107210
APC-conjugated monoclonal anti-mouse Siglec-G (Clone: SH2.1)	eBioscience	REF: 17-5833-80
WB Antibodies		
<i>cGAS</i> (MB21D1)	Bioworld	BS71168
<i>STING</i> (TMEM173)	Bioworld	BS70551
<i>TBK1</i>	Bioworld	BS60714
<i>STAT6</i> (R639)	Bioworld	BS1341
<i>p-STAT6</i> (phospho-Y641)	Bioworld	BS4187
<i>JNK</i> (P184)	Bioworld	BS1544
<i>p-JNK</i> (phosphor-T183/Y185)	Bioworld	BS4322
<i>p38</i> (T175)	Bioworld	BS3567
<i>p-p38</i> (phosphor-Y182)	Bioworld	BS4766
<i>GAPDH</i>	Bioworld	AP0063
<i>IRF3</i> (EPR2418Y)	abcam	AB68481
<i>IRF7</i> (EPR4718)	abcam	AB109255
<i>TRAF6</i>	abcam	AB137452
Vectors and Inhibitors		
pSilencer4.1 overexpression vector	Invitrogen	N/A
pMIR-Report luciferase vector	Ambion	N/A
pRL-TK luciferase vector	Ambion	N/A
microOFFTM mmu-miR-29a-5p inhibitor	RIBOBIO	miR20004718
microOFFTM mmu-miR-378b inhibitor	RIBOBIO	miR212824104115
microOFFTM inhibitor Negative Control	RIBOBIO	miR02101

Chemicals, Peptides and Recombinant Proteins		
CpG oligodeoxynucleotides mouse (1018)	Novus Biologicals	NBP2-31142
Poly I:C	Merck	N/A
Recombinant murine granulocyte-macrophage colony-stimulating factor (GM-CSF)	Peprotech	Cat # 214-14-204G
Recombinant murine IL-4	Peprotech	Cat # 315-03-204G
X-tremeGENE HP DNA Transfection Reagent	Roche	REF: 06366546001
Lipofectamine2000	Invitrogen	REF: 11668-027
5S rRNA internal control for qPCR	RIBOBIO	N/A
Bam HI	BioLabs New England	N/A
Hind III	BioLabs New England	N/A
Sac I	BioLabs New England	N/A
Critical Commercial Assays		
miDETECT A Track miRNA qRT-PCR Starter kit	RIBOBIO	Cat # C10712-1
miScript Reverse Transcriptase	Bio-Rad	N/A
QuantiTect SYBR Green PCR master mix	Qiagen	N/A
Dual-luciferase reporter assay kit	Promega	REF: E1910
Mouse TNF-α Elisa Kit	SenBeiJia Biological	REF: SBJ-M0030-96T
Mouse IL-12 Elisa Kit	SenBeiJia Biological	REF: SBJ-M0594-96T
Mouse IFN-β Elisa Kit	SenBeiJia Biological	REF: SBJ-M0047-96T
Mouse MIP-3α/CCL20 Elisa Kit	SenBeiJia Biological	REF: SBJ-M0887-96T
Software		
FlowJo V10 software	FlowJo Software	N/A
ImageJ	ImageJ Software	N/A
GraphPad Prism v6.01	GraphPad Software	N/A