
Supplementary information

**Brown adipose tissue-derived MaR2
contributes to cold-induced resolution of
inflammation**

In the format provided by the
authors and unedited

Supplementary Table 1

Mouse primer

Gene	Primer	Primer sequence	Gene	Primer	Primer sequence
<i>Adgre1</i>	Forward	TTTCCTCGCCTGCTTCTTC	<i>Srebf1</i>	Forward	GCAGCCACCATCTAGCCTG
	Reverse	CCCCGTCTCTGTATTCAACC		Reverse	CAGCAGTGAGTCTGCCTTGAT
<i>Ccl2</i>	Forward	AGGTCCCTGTCATGCTTCTG	<i>Chrebpa</i>	Forward	CGACACTCACCCACCTCTTC
	Reverse	TCATTGGGATCATCTTGCTG		Reverse	TTGTTCAGCCGGATCTTGTC
<i>Ccr2</i>	Forward	TGCCATCATAAAGGAGCCA	<i>Gck</i>	Forward	CAACTGGACCAAGGGCTTCAA
	Reverse	AGCACATGTGGTGAATCCAA		Reverse	TGTGGCCACCGTGTCATT
<i>Itgax</i>	Forward	CAGAACTTCCCACTGCACA	<i>Acl</i>	Forward	GCCAGCGGGAGCACATC
	Reverse	TCTCTGAAGCTGGCTCATCA		Reverse	CTTTGCAGGTGCCACTTCATC
<i>Tnfa</i>	Forward	GGCAGGTCTACTTTGGAGTCATTGC	<i>Scd1</i>	Forward	CCTGCGGATCTTCCTTATCA
	Reverse	ACATTCGAGGCTCCAGTGAATTCCG		Reverse	GTCGGCGTGTGTTTCTGAG
<i>Il6</i>	Forward	TAGTCCTTCTACCCCAATTTCC	<i>Pparg</i>	Forward	TCAGCTCTGTGGACCTCTCC
	Reverse	TTGGTCCTTAGCCACTCCTTC		Reverse	ACCCTTGCATCCTTCACAAG
<i>Nlrp3</i>	Forward	ATTACCCGCCCGAGAAAGG	<i>Alox12</i>	Forward	CTCTTGTCATGCTGAGGATGGAC
	Reverse	TCGCAGCAAAGATCCACACAG		Reverse	AAGAGCCAGGCAAGTGGAGGAT
<i>Casp1</i>	Forward	CCGTGGAGAGAAACAAGGAGT	<i>Ephx2</i>	Forward	ACCACTCATGGATGAAAGCTACA
	Reverse	CCCCTGACAGGATGTCTCCA		Reverse	TCAGGTAGATTGGCTCCACAG
<i>Il1b</i>	Forward	AGTTGACGGACCCCAAAAG	<i>Alox5</i>	Forward	ACTACATCTACCTCAGCCTCATT
	Reverse	GCGAGATTGGAAGCTGGATG		Reverse	GGTGACATCGTAGGAGTCCAC
<i>Il18</i>	Forward	GACTCTTGCGTCAACTTCAAGG	<i>Alox15</i>	Forward	GACACTTGGTGGCTGAGGTCTT
	Reverse	CAGGCTGTCTTTTGTCAACGA		Reverse	TCTCTGAGATCAGGTGCTCCT
<i>Tlr2</i>	Forward	GCAAACGCTGTTCTGCTCAG	<i>Ptgs1</i>	Forward	GAATGCCACCTTCATCCGAGAAG
	Reverse	AGGCGTCTCCCTCTATTGTATT		Reverse	GCTCACATTGGAGAAGGACTCC
<i>Tlr4</i>	Forward	ATGGCATGGCTTACACCACC	<i>Ptgs2</i>	Forward	TTCAACACACTCTATCACTGGC
	Reverse	GAGGCCAATTTGTCTCCACA		Reverse	AGAAGCGTTTGCGGTACTCAT
<i>Tgfb1</i>	Forward	GGAGAGCCCTGGATACCAAC	<i>Arbp</i>	Forward	TTTGGGCATCACCACGAAAA
	Reverse	CAACCCAGGTCCTTCCTAAA		Reverse	GGACACCCTCCAGAAAGCGA

Rat primer

Gene	Primer	Primer sequence	Gene	Primer	Primer sequence
<i>Ccl2</i>	Forward	AGCATCCACGTGCTGTCTC	<i>Il1b</i>	Forward	TCTCACAGCAGCATCTCGAC
	Reverse	GATCATCTTGCCAGTGAATGAG		Reverse	CATCATCCACGAGTCACAG
<i>Itgax</i>	Forward	CTGTCATCAGCAGCCACGA	<i>Il18</i>	Forward	GACAAAAGAAACCCGCCTG
	Reverse	ACTGTCCACACCGTTTCTCC		Reverse	ACATCCTTCCATCCTTCACAG
<i>Tnfa</i>	Forward	GGGGCCACCACGCTCTTCTGTC	<i>Tlr2</i>	Forward	GGAGACTCTGGAAGCAGGTG
	Reverse	TGGGCTACGGGCTTGTCACTCG		Reverse	CGCCTAAGAGCAGGATCAAC
<i>Il6</i>	Forward	CCACTGCCTTCCCTACTTCA	<i>Tlr4</i>	Forward	CCAGAGCCGTTGGTGTATCT
	Reverse	ACAGTGCATCATCGCTGTTT		Reverse	TCAAGGCTTTTCCATCCAAC
<i>Nlrp3</i>	Forward	GTGGAGATCCTAGGTTTCTCTG	<i>Tgfb1</i>	Forward	ACCGACCCTTCTGCTCCTCAT
	Reverse	CAGGATCTCATTCTCTTGGATC		Reverse	GATCCACTTCCAACCCAGGTCCT
<i>Casp1</i>	Forward	GAGCTGATGTTGACCTCAGAG	<i>Rpl13a</i>	Forward	GCGGAGGGGCAGGTTT
	Reverse	CTGTCAGAAAGTCTTGTGCTCTG		Reverse	CGTACAACCACCACCTTTTCG

Human primer

Gene	Primer	Primer sequence	Gene	Primer	Primer sequence
<i>Alox12</i>	Forward	CCTCGTTATGCTGAAGATGGAGC	<i>Ephx2</i>	Forward	GACATCGGGGCTAATCTGAAG
	Reverse	ATTTCCGACCCAGGACTTTGCC		Reverse	GGCTTTACTGTACGTACCCA

Supplementary Table 2

Validation

Antibody	Clone	Supplier	Cat#	Lot #	Dilution	Species	Application
Purified CD16/32	93	Biolegend	101302	B288201	1/100	Rat IgG2a, γ	FC, IP, Block
FITC CD11c	N418	Biolegend	117306	B277030	1/200	Armenian hamster IgG	FC
FITC Armenian hamster IgG	HTK888	Biolegend	400605	B275653	1/200	Armenian hamster IgG	FC, ICFC
BV785 CD45	30-F11	Biolegend	103149	B255080	1/200	Rat IgG2b, κ	FC
PE CD45	30-F11	Biolegend	103105	B194415	1/400	Rat IgG2b, κ	FC
APC/Fire750 CD11b	M1/70	Biolegend	101261	B262766	1/400	Rat IgG2b, κ	FC
BV421 CD206	C068C2	Biolegend	141717	B266521	1/100	Rat IgG2a, κ	FC, ICFC, IHC-F, SB
BV421 rat IgG2a	RTK2758	Biolegend	400535	B259985	1/100	Rat IgG2a, κ	FC, ICFC
BV711 F4/80	BM8	Biolegend	123147	B261358	1/200	Rat IgG2a, κ	FC
TruStain FcX™ PLUS - CD16/32	S17011E	Biolegend	156604	B330293	1/100	Rat IgG2b, κ	FC
APC R700 CD45	30-F11	BD Bioscience	565478	1069323	1/100	Rat IgG2b, κ	FC
BV605 CD11b	M1/70	Biolegend	101257	B316880	1/150	Rat IgG2b, κ	FC
APC F4/80	BM8	Biolegend	123116	B298926	1/150	Rat IgG2a, κ	FC
BV785 Ly6C	HK1.4	Biolegend	128041	B325962	1/100	Rat IgG2C, κ	FC
BUV496 CCR2	475301	BD Bioscience	750043	1293620	1/100	Rat IgG2b, κ	FC
PerCP Cy5.5 MHCII	M5/114.15.2	Biolegend	107626	B336919	1/100	Rat IgG2b, κ	FC
PE VSIG4	NLA14	eBioscience	12-5752-82	2293904	1/150	Rat IgG2a, κ	FC
BUV395 TIM4	21H12	BD Bioscience	742779	1296227	1/150	Rat IgG1, κ	FC
AF488 TREM2	237920	R&D Systems	FAB17291G	AFGM0320081	1/100	Rat IgG2b	FC
AF488 rat IgG2B	141945	R&D Systems	IC013G	ABWA0420041	1/100	Rat IgG2b	Control
12-LOX	n/a	Santa cruz	sc-365194	F0711	1/2000	Mouse IgG1, κ	WB, IP, ELISA
sEH	n/a	UC Davis	n/a	n/a	1/15000	n/a	n/a
Vinculin	n/a	Santa cruz	sc-25336 HRP	G1118	1/2000	Mouse IgG2a, κ	WB, IHC(P), ELISA

FC= Flow Cytometry, ICFC=Intracellular Staining for Flow Cytometry,IP= Immunoprecipitation, Block=blocking, IHC-F=Immunohistochemistry-Frozen, SB=spatial Biology, WB=Western blot