



**Supplementary Material Figure S1.** Effects of MAPK inhibition on IL-4-mediated gene expression. A, Macrophages were preincubated for 1 h with inhibitors of MAPK signaling: PD98059 (50  $\mu$ M; to block ERK activation), SB203580 (5  $\mu$ M) (to inhibit p38), or vehicle (DMSO, as control). The cells were then stimulated for 2 or 6 h with IL-4. Control cells were left unstimulated. A and B *Arginase 1* and *Mannose Receptor* genes that are IL-4-JNK dependent (Figure 3), but ERK (PD98059 inhibitor) and p38 (SB203580) independent. C and D, Controls genes. *Cxcl9* is IL-4-p38 dependent and *Ccl2* is IL-4-ERK dependent (19).

**Supplementary Material Table S1.** Antibodies: identification, source, application and dilution used.

Antibody	Identifier	Source	Application	Dilution
Rabbit polyclonal anti-Stat6	Cat# A11189; RRID: AB_2758452	Antibodies	IP	1:500
Mouse anti-Stat6 (Tyr 641)	Cat# 686002; RRID: AB_2616820	Biologend	Western blot and CHIP	1:1000
Goat anti-rabbit IgG (HRP)	Cat#A17345; RRID: AB_2772522	Antibodies	Western blot	1:2000
Goat anti-mouse HRP-conjugated IgG	Cat# ab6789; RRID: AB_955439	Abcam	Western blot	1:1000
Mouse anti $\beta$ -actin IgG1	Cat# A5441; RRID: AB_476744	Sigma-Aldrich	Western blot	1:1000
Mouse anti-phosphoreine	Cat# ab7851; RRID: AB_306137	Abcam	Western blot	1:100
Rabbit anti-ERK1/ERK2	Cat# AF1576; RRID: AB_354872	R&D systems	Western blot	1:500
Rabbit anti-phospho-p38 (Thr180/Tyr182)	Cat# 9211; RRID: AB_331641	Cell Signalling	Western blot	1:1000
Rabbit polyclonal anti-JNK1	Cat# PA5-17889; RRID: AB_10982589	Invitrogen	Western blot	1:1000
Rabbit IgG anti-anti-KAT3B / p300	Cat# ab10485; RRID: AB_297224	Abcam	IP and CHIP	1:100
Rabbit IgG	Cat# 31887; RRID: AB_2532177	Invitrogen	Control CHIP	1:100
Mouse IgG	Cat# 14-4714-82; RRID:AB_470111	eBioscience	Control CHIP	1:100

**Supplementary Material Table S2.** Primer sequences for the various quantitative PCRs performed.

Transcript	Forward Primer	Reverse Primer
MKP-1	5' GGACAACCACAAGGCAGACATC 3'	5' GGCCTGGCAATGAACAAACA 3'
MKP-2	5' TCGAAGACAACCACAAGGC 3'	5' GGAAGCTGAAGACGAACTGC 3'
MKP-3	5' TCGTCACACATCGAATCTGC 3'	5' CAATGTCCGAGGAAGAGTCC 3'
MKP-4	5' CCATCTCTGACCATTGGAGC 3'	5' AGGCATCGTTGAGTGAGAGG 3'
MKP-5	5' ACTTGATGAAGCACACACGG 3'	5' TAAGGATTCTTGCGGTCACG 3'
MKP-7	5' ATGGATGGTCCTTTGGCTAGG 3'	5' CTCCTCACAAATCAAGCCTGTCA 3'
PAC-1	5' AGGCGGTTTCAAAAGCTTCC 3'	5' GGTGAGAGTTGCTATTTTCGGC 3'
CPG21	5' ATGAAGACCAAGCAGTTCCGG 3'	5' ACTGAAGGAGCTGTCCCATGAA 3'
Arginase 1	5' TTGCGAGACGTAGACCCTGG 3'	5' CAAAGCTCAGGTGAATCGGC 3'
CCL22	5' CTTCTGGACCTCAAAATCCTGC 3'	5' TAGCTTCTTCACCCAGACCTGC 3'
CCL24	5' TTGCTGCACGTCCTTTATTTC 3'	5' TGGCCCTTCTGGTGATGAA 3'
IL-10	5' CAAGGAGCATTGAATCCCTG 3'	5' TGCTCCACTGCCTTGCTCTTA 3'
Mannose receptor	5' GCTGAATCCCAGAAATCCGC 3'	5' ATCAGGCATACAGGGTGAC 3'
CD163	5' CTCTGTTAGCTATTGGACGC 3'	5' CGGAATTTCTGGGATTCAGCTT 3'
SOCS1	5' GCATCCCTCTTAACCCGGTACT 3'	5' ATAAGGCGCCCCACTTAATG
p21 <sup>Waf1</sup>	5' GAGCAAAGTGTGCCGTTGTCTC 3'	5' TCAAAGTTCCACCGTTCTCGG 3'
c-myc	5' AACAGCTTCGAAACTCTGGTGC 3'	5' CGC ATCAGTTCTGTCAGAAGGA 3'
Hprt1	5' ATCATTATGCCGAGGATTTGG 3'	5' GCAAAGAACTTATAGCCCCC 3'
L14	5' TCCCAGGCTGTTAACGCGGT.3'	5' GCGCTGGCTGAATGCTCTG 3'
Sdha	5' TGGGGAGTGCCGTGGTGTCA 3'	5' CATGGCTGTCCGTCCCCTG 3'
Cxcl9	5' GATAAGGAATGCACGATGCTC 3'	5 TCTCCGTTCTTCAGTGAGCAA 3'
Ccl2	5' AGGTCCTGTGTCATGCTTCTG 3'	5' GCTGCTGGTGATCCTTGT 3'