

**Table S1.** Primers used for quantitative RT-PCR.

Gene name	Primer	Sequence	Size (bp)
Mouse			
Mcp1	Forward	5'- ACCACAGTCCATGCCATCAC-3'	986
	Reverse	5'- TTGAGGTGGTTGTGGAAAAG-3'	
Tgfb1	Forward	5'- GTGGAAATCAACGGGATCAG-3'	229
	Reverse	5'- ACTTCCAACCCAGGTCCTTC-3'	
Mmp2	Forward	5'- CTGATAACCTGGATGCCGTCGT-3'	117
	Reverse	5'- TGCTTCCAAACTTCACGCTCTT-3'	
Acta2	Forward	5'- GTCCCAGACATCAGGGAGTAA-3'	102
	Reverse	5'- TCGGATACTTCAGCGTCAGGA-3'	
Col1a1	Forward	5'- GAGCGGAGAGTACTGGATCG-3'	158
	Reverse	5'- GCTTCTTTTCCTTGGGGTTC-3'	
Timp1	Forward	5'- CCAGAACCGCAGTGAAGAG-3'	183
	Reverse	5'- CAA GGG ATA GAT AAA CAG GGA-3'	
Tnfa	Forward	5'- TGCCTATGTCTCAGCCTCTTC-3'	117
	Reverse	5'- GAGGCCATTTGGGAACCTTCT-3'	
Gapdh	Forward	5'- TGTTGAAGTCGCAGGAGACAACCT-3'	111
	Reverse	5'- AACCTGCCAAGTATGATGACATCA-3'	

**Table S2.** Antibody details and conditions used for western blotting and immunostaining

Antibody	Supplier	Catalog no.	Application	Dilution
$\beta$ -actin	GeneTex	GTX629630	WB	1:10000
Lamin B1	Cell Signaling	#12586	WB	1:1000
$\alpha$ -SMA	GeneTex	GTX100034	WB	1:1000
			IHC	1:700
p-ERK1/2	Cell Signaling	#9101	WB	1:1000
t-ERK1/2	Cell Signaling	#9102	WB	1:1000
p-p38	Cell Signaling	#9216	WB	1:1000
t-p38	Cell Signaling	#9212	WB	1:1000
p-JNK	Cell Signaling	#4668	WB	1:1000
t-JNK	Cell Signaling	#9252	WB	1:1000
TLR4	GeneTex	GTX13556	WB	1:1000
MyD88	GeneTex	GTX112987	WB	1:5000
NF- $\kappa$ B p65	GeneTex	GTX102090	WB	1:1500
			IF	1:200
NF- $\kappa$ B pp65	Cell Signaling	#3033	FCM	1:1600
TGF- $\beta$ 1	Abcam	ab92486	WB	1:1000
F4/80	Abcam	ab6640	IHC	1:400
MPO	Abcam	ab9535	IHC	1:50

Antibodies were purchased from Cell Signaling (Beverly, MA, USA), Abcam (Cambridge, MA, USA), GeneTex (Irvine, CA, USA). WB: western blotting; IHC: immunohistochemistry; IF: immunofluorescence; FCM: flow cytometry