

**Table S1.** Information for antibodies used in this study

<b>Antibodies for flow cytometry</b>					
<i>Marker</i>	<i>Conjugate</i>	<i>Cell type</i>	<i>Dilution</i>	<i>Brand</i>	<i>Cat. No.</i>
CD3	PE/Dazzle™ (594nm)	T-cell	1/80	BioLegend	100347
F4/80	PECy7 (561nm)	Macrophage (LpM)	1/200	BioLegend	123114
Ly6C	PE (488nm)	Monocyte	1/400	BD	560592
MHCII	APC-Cy7 (633nm)	Macrophage (SpM)	1/400	BioLegend	107627
Ly6G	PE-Texas Red (561nm)	Neutrophil	1/200	BD	562700
CD45.2	PerCP-Cy5.5 (488nm)	Lymphocyte	1/200	BioLegend	109827
CD3	APC (633nm)	T cell	1/200	BioLegend	100236
CD19	APC (633nm)	B cell	1/200	BioLegend	152410
CD49b	APC (633nm)	NK cell	1/200	BD	560628
Siglec F	APC (633nm)	Eosinophil	1/200	Miltenyi	130-102-241
FVS660	APC (633nm)	Dead cell	1/1000	BD	564405
<b>Antibodies for IHC study</b>					
<i>Marker</i>	<i>Conjugate</i>	<i>Ab type</i>	<i>Dilution</i>	<i>Brand</i>	<i>Cat. No.</i>
Vimentin	N/A	Primary	1: 50	Cell	5741
Cytokeratin	N/A	Primary	1: 50	Abcam	Ab93279
Novolink Polymer Detection Systems	HRP	Secondary (for anti-rabbit)	1:1	Leica	RE7140-K
<b>Antibodies for IF study</b>					
<i>Marker</i>	<i>Conjugate</i>	<i>Ab type</i>	<i>Dilution</i>	<i>Brand</i>	<i>Cat. No.</i>
PGP9.5	N/A	Primary	1: 100	Millipore	AB1761-I
CD31	N/A	Primary	1: 2000	Novus	NB100-1642
Goat anti Rabbit IgG	Rodamine	Secondary	1: 1000	ABgent	ASR1424
Goat anti Rat IgG	FITC	Secondary	1: 500	Arigo	ARG23755

**Table S2.** Primer sequences for real-time qPCR study<sup>a</sup>

<i>Gene</i>	<i>Forward primer (5' to 3')</i>	<i>Reverse primer (5' to 3')</i>	<i>UPL probe<sup>b</sup></i>
COX-2	GATGCTCTTCCGAGCTGTG	GGATTGGAACAGCAAGGATTT	45
IL-6	TCTAATTCATATCTTCAACCAAGAGG	TGGTCCTTAGCCACTCCTTC	78
IL-1 $\beta$	AGTTGACGGACCCCAAAG	TTTGAAGCTGGATGCTCTCAT	26
TNF- $\alpha$	CTGTAGCCCACGTCGTAGC	TTTGAGATCCATGCCGTTG	25

<sup>a</sup>Those primers were designed for mouse inflammatory cytokines.

<sup>b</sup>UPL: Universal Probe Library from Roche Applied Science (Penzberg, Germany)