

SUPPLEMENTAL MATERIALS

Altered macrophage polarisation induces experimental pulmonary hypertension and is observed in patients with pulmonary arterial hypertension.

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Major Resources Table

In order to allow validation and replication of experiments, all essential research materials listed in the Methods should be included in the Major Resources Table below. Authors are encouraged to use public repositories for protocols, data, code, and other materials and provide persistent identifiers and/or links to repositories when available. Authors may add or delete rows as needed.

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex	Persistent ID / URL
mouse	University of Sheffield	FVB	M+F	

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	mouse	University of Sheffield	FVB	Strain: CD68tetDTA	
Parent - Female	mouse	University of Sheffield	FVB	Strain: tetDTA	

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
F4/80	abcam	Ab111101	1:100		
iNOS	abcam	Ab115819	1:100		
CD206	R&D system	AF2535	1:100		
SMA	Agilent	M0851	1:150		
vWF	Agilent	A0082	1:300		
NF- κ B	Cell signaling	D14E12	1:400		
FITC anti-mouse CD68	Biologend	137005	0.2 μ g/100 μ l		
PE anti-mouse CD206	Biologend	141705	0.2 μ g/100 μ l		
Pb anti-mouse CD86	Biologend	105021	0.5 μ g/100 μ l		
APC anti-mouse F4/80	Biologend	123115	0.2 μ g/100 μ l		
APC anti-human CD11b	Biologend	301309	0.2mg/ml		
PE anti-human CD80	Biologend	305207	0.2mg/ml		
PE anti-human CD206	Biologend	321105	0.2mg/ml		
DTA	Abcam	Ab8308	1:2000		

DNA/cDNA Clones

Clone Name	Sequence	Source / Repository	Persistent ID / URL

DOI [to be added]

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Cultured Cells

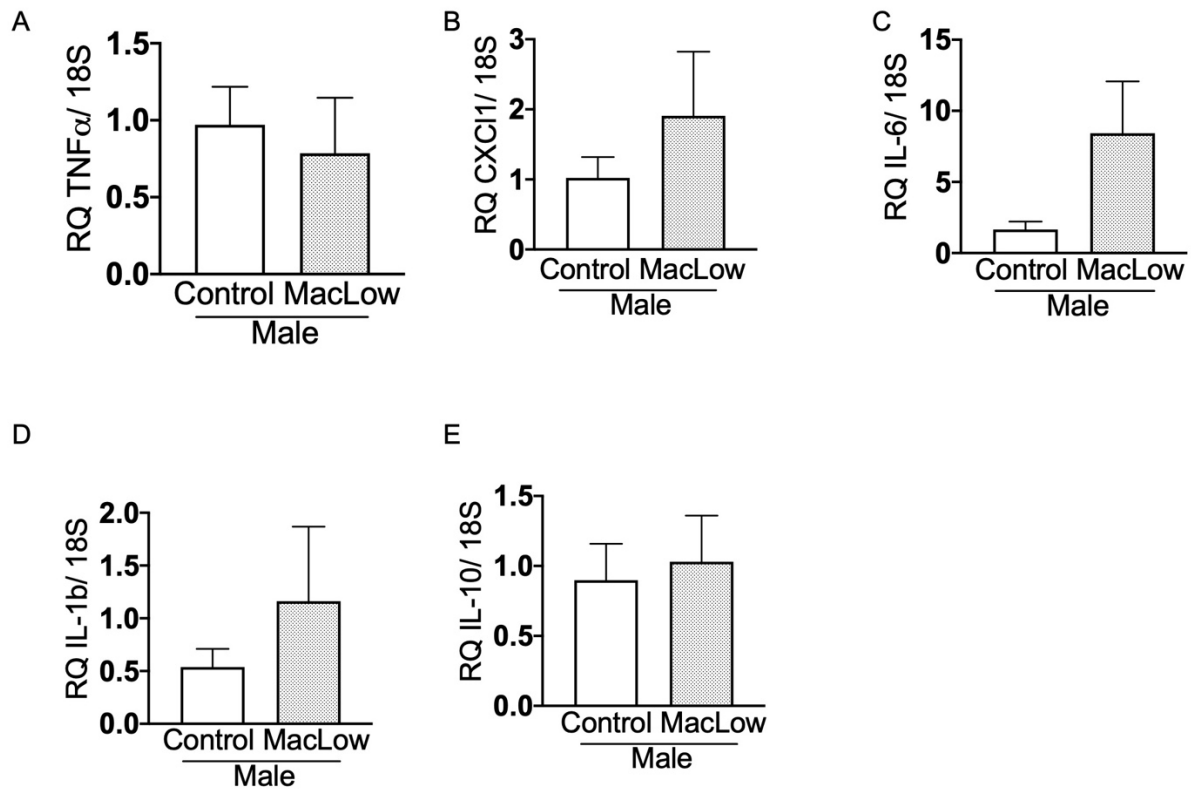
Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL
Alveolar macrophage	mouse	M	
BMDM	mouse	M	
PASMCs	human	unknown	
MDM	human	M+F	

Data & Code Availability

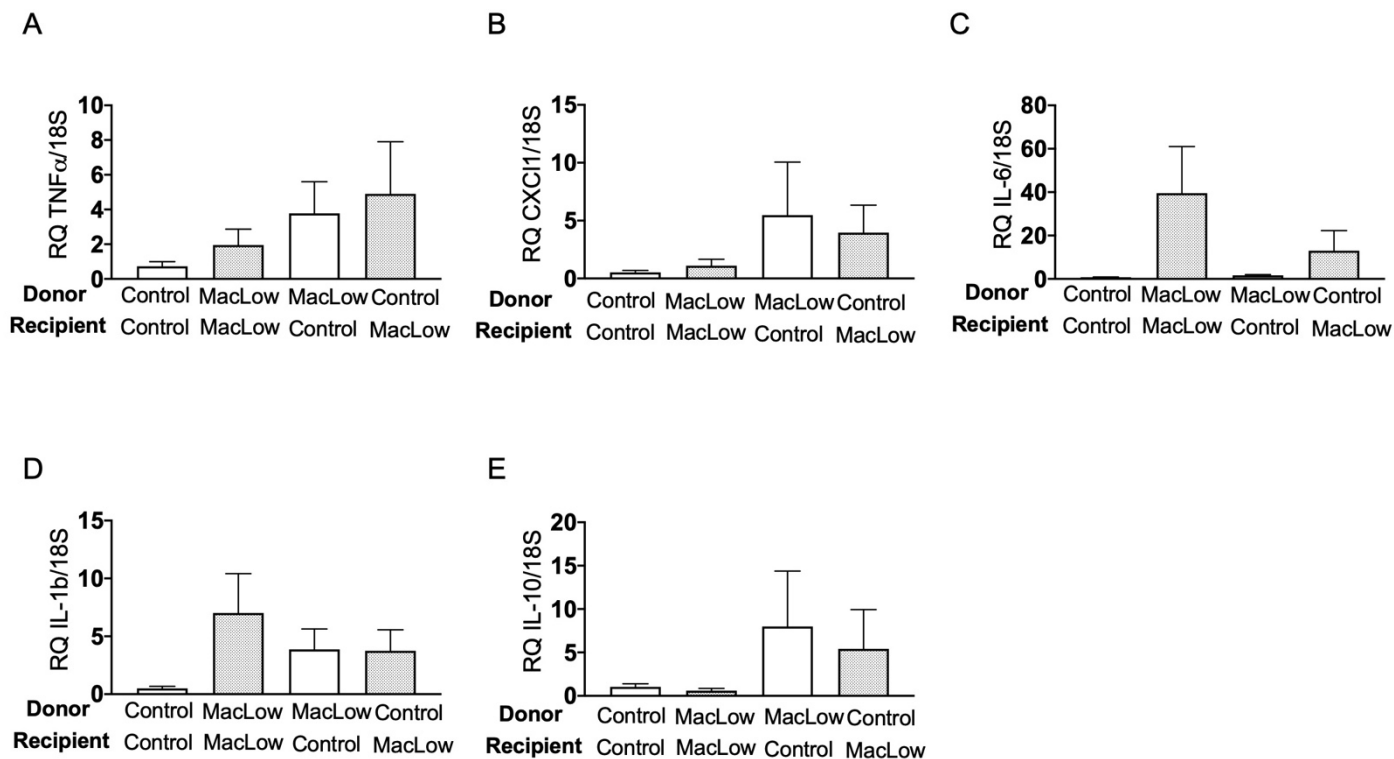
Description	Source / Repository	Persistent ID / URL

Other

Description	Source / Repository	Persistent ID / URL
Doxycycline diet (TD.01306)	ENVIGO	



Supplement Figure I : Effect of macrophage depletion on cytokine- gene expression in male mice: RNA expression level of (A) TNF α , (B) CXCL1, (C) IL-6, (D) IL-1b and (E) IL-10 was determined in control and MacLow lungs using quantitative q-pcr. Expression data normalised using $\Delta\Delta CT$ with 18 s mRNA as the endogenous control gene and to the experimental control. Bars show mean \pm SEM. n=4.



Supplement Figure II : Effect of macrophage depletion on cytokine- gene expression in chimeric male mice: RNA expression level of (A) TNF α , (B) CXCL1, (C) IL-6, (D) IL-1b and (E) IL-10 was determined in mouse lung using quantitative q-pcr. Expression data normalised using $\Delta\Delta CT$ with 18 s mRNA as the endogenous control gene and to the experimental control. Bars show mean \pm SEM. n=4