

Supplementary Material

accompanying the manuscript

IL-25 elicits innate lymphoid cells and multipotent progenitor type 2 cells that reduce renal ischaemic/reperfusion injury.

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Figs. S1 and S2

Table S1

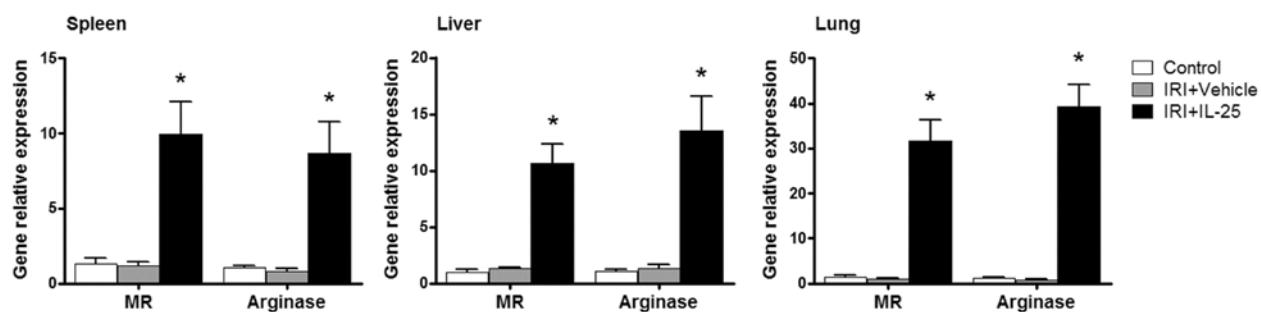


Figure S1. IL-25 induced alternatively activated macrophages in spleen, liver and lung.

F4/80⁺ macrophages were sorted by flow cytometry from spleen, liver and lung in control, IRI+Vehicle and IRI+IL-25 groups at day one after bilateral IRI. The mRNA expression of mannose receptor (MR) and arginase was quantified by real-time PCR in F4/80⁺ macrophages. The values represent the mean ± SEM of evaluations from each group (n=4 per group). *P<0.05 vs. IRI+vehicle.

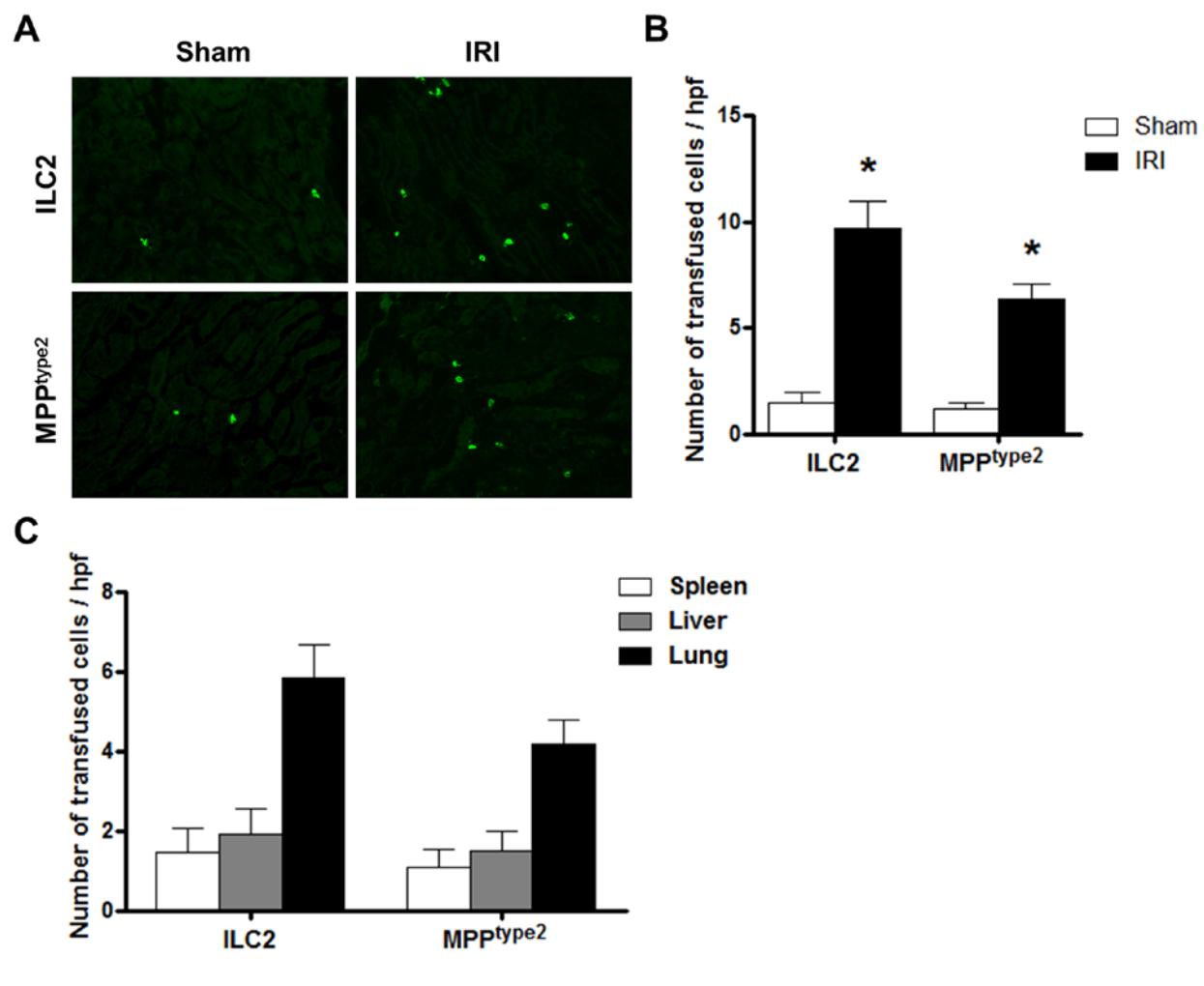


Figure S2. Transfused ILC2 and MPP^{type2} distributed into kidney.

CFSE labeled ILC2 or MPP^{type2} cells were adoptively transferred into BALB/c mice one day before IRI. (A) Transfused CFSE+ ILC2 or MPP^{type2} were observed in sham kidney and IRI kidney at day one after IRI. (B) Numbers of CFSE labeled ILC2 or MPP^{type2} cells in sham kidney and IRI kidney were counted. (C) Numbers of CFSE labelled ILC2 or MPP^{type2} cells in spleen, liver and lung were counted. The values represent the mean \pm SEM per high power field (hpf) from each group ($n = 6$ per group). * $P < 0.05$ vs. Sham.

Table S1. Real-time PCR primers

Gene	primer sequence(5'-3')	Product
IL-4 (F)	tcaaccccccagctagtgtc	184
IL-4 (R)	tctgtggtgttcttcgttgc	
IL-5 (F)	aaagagaagtgtggcgaggag	123
IL-5 (R)	tcaccatggagcagctcag	
IL-13 (F)	cagcatggatggagtggtgg	153
IL-13 (R)	aggctggagaccgttagtgg	
Mannose receptor (F)	caaggaaggttggcatttg	111
Mannose receptor (R)	ccttcagtccttgcaagc	
Arginase (F)	agtctggcagttgaaagcat	104
Arginase (R)	ctggttgtcaggggagtgtt	
FIZZ1 (F)	tgctggatgactgtactg	156
FIZZ1 (R)	ctgggtctccacctttca	
YM1 (F)	cagctggatttcctacca	141
YM1 (R)	attctgcattccagcaaagg	

IL10 (F)	ccagtacagccggaaagaca	121
IL10 (R)	cagctggccttggaaaga	
iNOS (F)	cacctggagttcacccagt	170
iNOS (R)	accactcgacttggatgc	
TNF- α (F)	gctgagctcaaaccctggta	118
TNF- α (R)	cggactccgcaaagtctaag	
IL-1 β (F)	tgccacccattgacagtgtatg	136
IL-1 β (R)	atgtgctgctgcgagatttg	
IL-6 (F)	cacaagtccggagaggagac	136
IL-6 (R)	ttgccattgcacaactcttt	
CCL2 (F)	agcaccagccaactctcact	136
CCL2 (R)	cgttaactgcatactggctga	

F=forward, R=reverse.