



Fig. S1. Changes in ISM1<sup>+</sup>CD45<sup>+</sup> cells after *P. aeruginosa* challenge. (a). Lung cells were stained with antibodies that recognize ISM1 and CD45 following *P. aeruginosa* challenge. Percentages (b), absolute numbers (c), and MFI (d) are shown. A representative experiment (out of 3) is shown.

Marker	Antigen	Fluorochrome	Reactivity	Clone	Brand	Dilution
Homing integrins	CD49A	APC	Mouse	HMA1	Biologend	3:200
	CD49B	EF-450	Mouse	DX5	Ebioscience	2:200
	CD49D	FITC	Mouse	R1-2	Biologend	2:200
Leukocyte common antigen	CD45	AF700	Mouse	30F11	Biologend	1:200
	CD45	APC	Mouse	30F11	Biologend	1:200
T cell	CD3E	PERCP-CY5.5	Mouse	145-EC11	Tonbo	5:200
B cell	CD19	PERCP-CY5.5	Mouse	1D3/CD19	Biologend	5:200
T cell CD8 <sup>+</sup>	CD8A	PERCP-CY5.5	Mouse	53-6.7	Biologend	5:200
T cell CD4 <sup>+</sup>	CD4	PE	Mouse	GK1.5	Ebioscience	4:200
	CD4	PE-CY7	Mouse	GK1.5	Ebioscience	4:200
	CD4	AF488	Mouse	GK1.5	Ebioscience	4:200
	CD4	APC-CY7	Mouse	GK1.5	Ebioscience	4:200
	CD4	PERCP-CY5.5	Mouse	GK1.5	Ebioscience	4:200
Erythrocytes	TER119	PERCP-CY5.5	Mouse	TER119	Biologend	5:200
Mast cells	FcRε1A	PERCP-CY5.5	Mouse	MAR-1	Biologend	5:200
Monocytes/Macrophages	CD11B	PERCP-CY5.5	Mouse/Human	M1-70	Tonbo	5:200
Dendritic cells	CD11C	PERCP-CY5	Mouse	N418	Biologend	5:200
Natural killers	NK1.1	PERCP-CY5.5	Mouse	PK136	Biologend	3:200
Innate lymphoid cells	ST2	APC	Mouse	DIH9	Biologend	3:200
	CD335 (NKp46)	BV421	Mouse	29A1.4	Biologend	3:200
	CD127 (IL7R)	VF450	Mouse	A7R34	Tonbo	3:200
Mesenchymal and stromal cells	CD90.2	AF700	Mouse	30-H12	Biologend	0.05
	CD105	FITC	Mouse	MJ7/18	Biologend	3:200
	CD146 (MCAM)	APC	Mouse	ME-9F1	Biologend	3:200
	CD140a (PDGFRa)	BV605	Mouse	APA5	Biologend	3:200
Epithelial	CD326 (EpCAM)	PERCP-CY5.5	Mouse	G8.8	Biologend	3:200
Endothelial	CD31 (PECAM-1)	PE-CY7	Mouse	MEC13.3	Biologend	3:200
HPSCs	CD117 (ckit)	APC750	Mouse	2B8	Biologend	3:200
	SCA-1	FITC	Mouse	E13-161.7	Biologend	3:200
		APC	Mouse	E-13-161.7	Biologend	3:200
	CD34	PERCP-CY5.5	Mouse	HM34	Biologend	5:200
	CD48	APC-fire	Mouse	HM48-1	Biologend	2.5:200
	CD150	VB605	Mouse	A12 (7D4)	Biologend	3:200
Isthmin-1	ISM1	PE	Mouse	B054B6	Biologend	1.5:50
Isotype control for anti-Isthmin-1	IgG2b	PE	Mouse	MPC-11	Biologend	1.5:50
GRP78/Bip	GRP78	AF488	Mouse/Human	C38	Ebioscience	3:200
TLRs	TLR4	PECy7	Mouse	SA15-21	Biologend	3:200
	TLR5	AF647	Mouse	ACT5	Biologend	3:200
	TLR9	FITC	Mouse	S18025A	Biologend	2:200

Table S1. List of antibodies. General characteristics of the antibodies used during experimental procedures. Working dilutions are depicted.