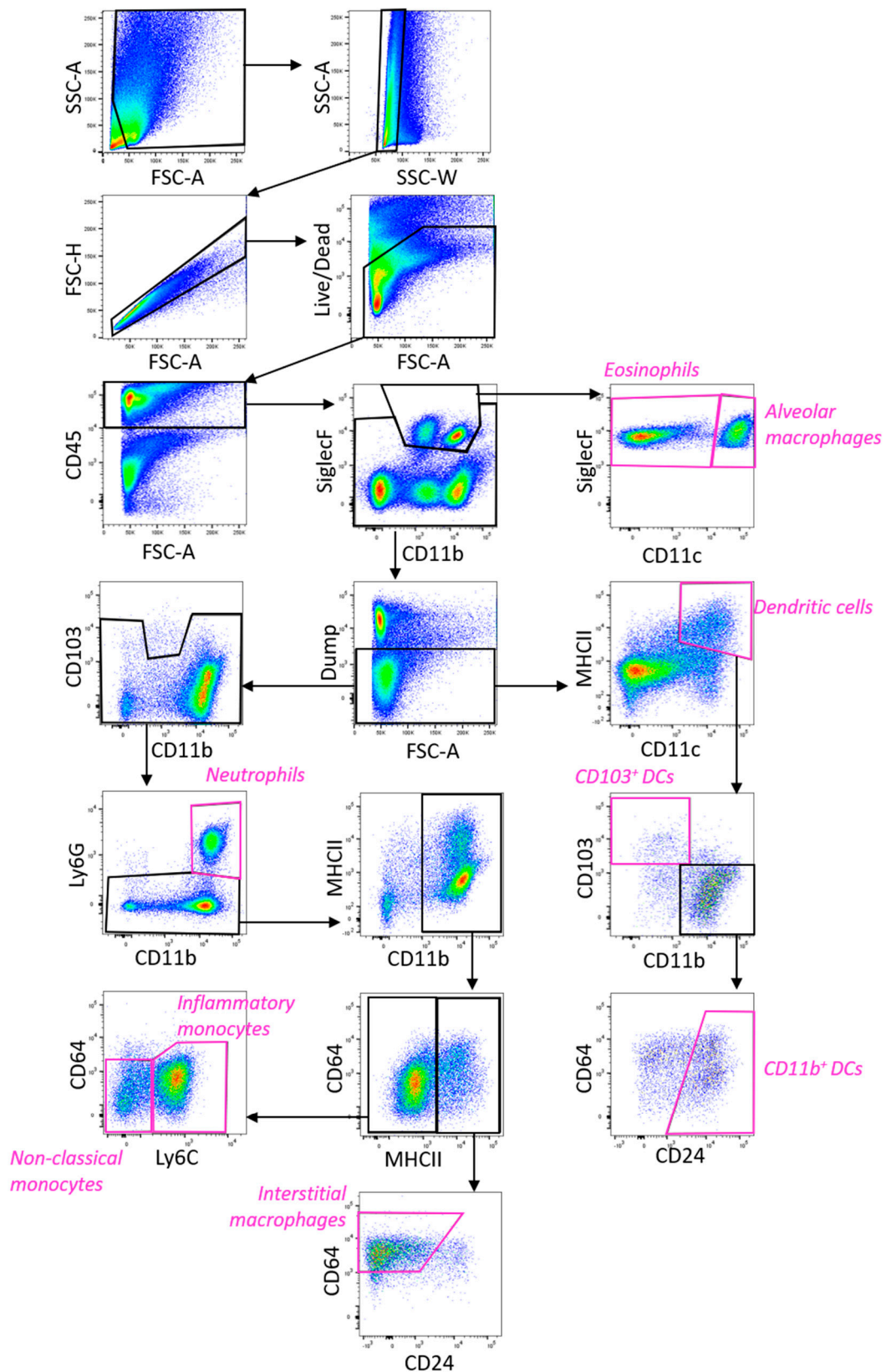
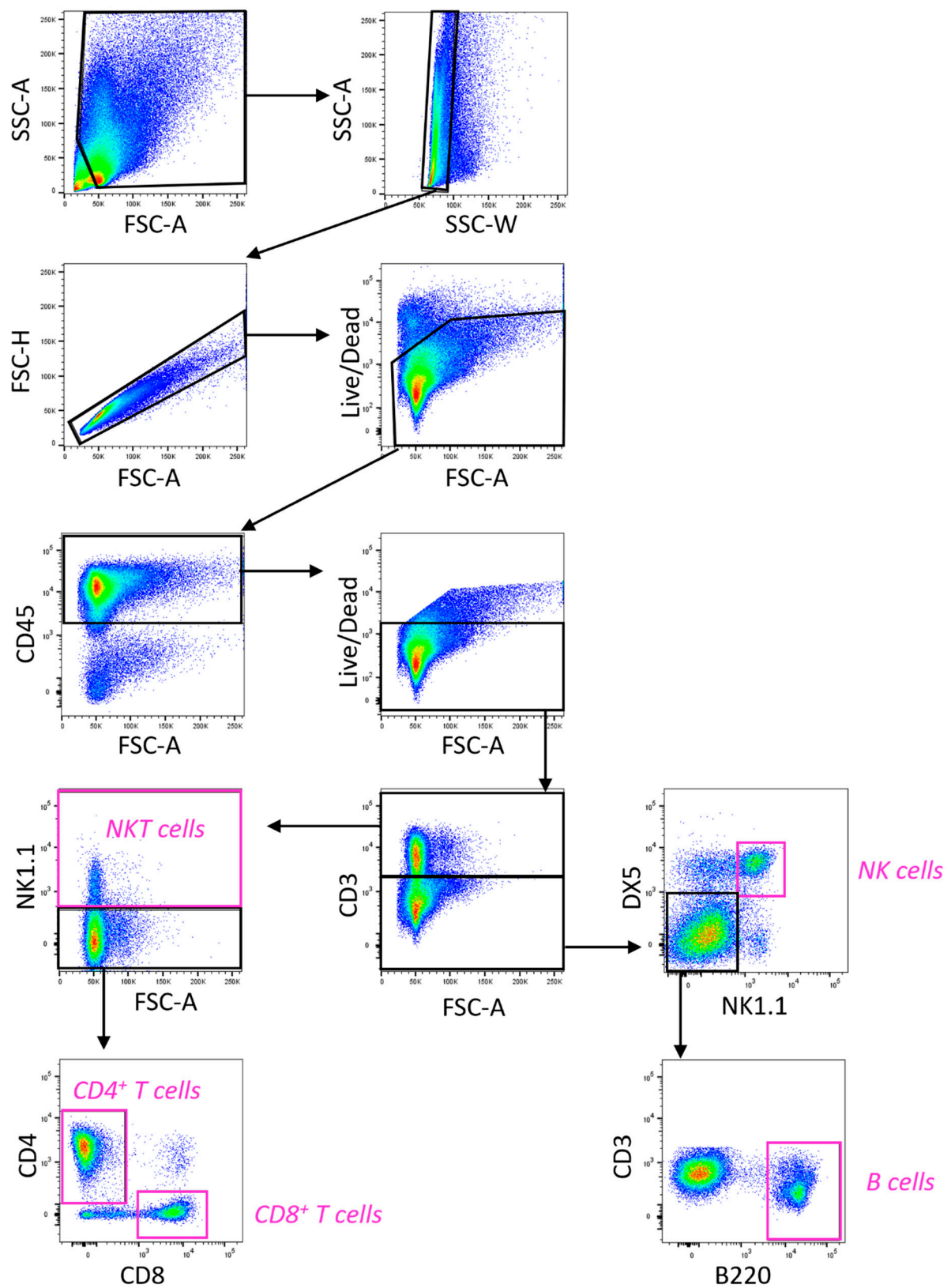


## Supplementary Figures

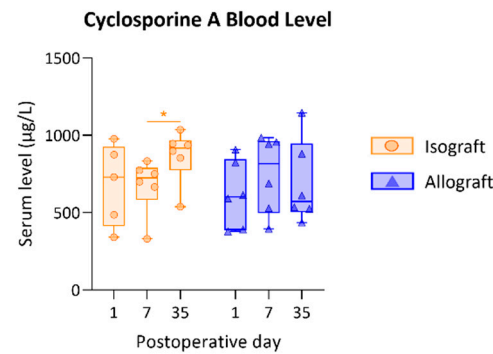


**Figure S1: Gating strategy for myeloid panel for pulmonary leukocytes.** Lung cells were isolated and stained for flow cytometry. After exclusion of red blood cells, debris and doublets of cells, all live cells (Live/dead) were gated. The leukocytes were identified by CD45 staining. Dump gate includes CD3, CD19, NK1.1.



**Figure S2: Gating strategy for lymphoid panel for pulmonary leukocytes.** Lung cells were isolated and stained for flow cytometry. After exclusion of red blood cells, debris and doublets of cells, all live cells (Live/Dead) were gated.

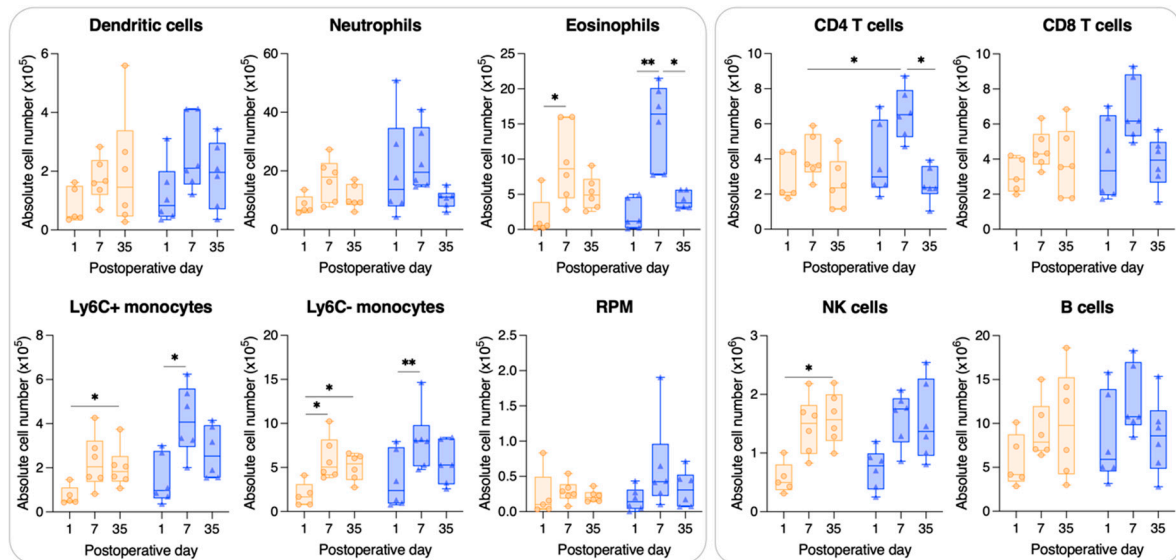
The leukocytes were identified by CD45 staining. The alveolar macrophages were excluded by plotting Live/Dead versus FSC-A as these cells are autofluorescent and result in false positive staining for lymphoid cell markers.



**Figure S3: Cyclosporine A values after murine lung transplantation.** Orthotopic left lung transplantation was performed to create isografts (C57BL/6 → C57BL/6) and allografts (BALB/c → C57BL/6). Cyclosporine A blood trough levels were measured by sequential enzyme immunoassay in 100 µL whole blood. Data are shown as box-and-whisker plots (box: median with interquartile range, whiskers: full data distribution), with each data point representing an individual mouse sample.

Table S1: Markers with associated clone and fluorochrome for the panels used for flow cytometry.

Panel	Marker	Clone	Fluorochrome	Laser
Myeloid cells	CD45	30-F11	FITC	BLUE
	CD103	2-E7	PerCP-eFluor 710	BLUE
	CD11c	N418	PE-Cy7	YG
	CD64	X54-5/7.1	PE	YG
	CD24	M1/69	PE-CF594	YG
	Siglec F	1RNM44N	eFLUOR 660	RED
	Ly6G	1A8	Alexa fluor 700	RED
	Ly6C	AL-21	APC-Cy7	RED
	CD11b	M1/70	eFLUOR 450	VIOLET
	MHCII	M5/114.15.2	Horizon v500	VIOLET
	CD3	17A2	BV650	VIOLET
	CD19	6D5	BV650	VIOLET
	NK1.1	PK136	BV650	VIOLET
	Live/dead		Zombie UV	UV
Lymphoid cells	CD3	145-2C11	FITC	BLUE
	CD8	53-6.7	PerCP-Cy5.5	BLUE
	NK1.1	PK136	Pe-Cy7	YG
	CXCR3	CXCR3-173	PE	YG
	CD4	RM4-5	APC e780	RED
	DX5	DX5	APC	RED
	B220	RA3-6B2	BV786	VIOL
	CD45	30-F11	BUV395	UV
	Live/dead		Zombie Aqua	VIOL



**Figure S4: Myeloid and lymphoid splenic cells after murine lung transplantation.** Isograft, depicted in orange, (C57BL/6 → C57BL/6) and allograft, depicted in blue, (BALB/c → C57BL/6) combinations were used at indicated days after transplantation. Left panel shows the absolute numbers of splenic, myeloid immune cells including dendritic cells (CD45+ MHCII+ CD11c+); neutrophils (CD45+ CD11b+ Ly6G+); eosinophils (CD45+ SiglecF+ CD11c-); Ly6C+ monocytes (CD45+ CD11b+ MHCII- Ly6C+); Ly6C- monocytes (CD45+ CD11b+ MHCII- Ly6C-); RPM (CD45+ MHCII- SiglecF- F4/80+ CD11b-). Right panel includes the absolute numbers of splenic, lymphoid immune cells including: CD4+ T cells (CD45+ CD3+ NK1.1- CD4+); CD8+ T cells (CD45+ CD3+ NK1.1- CD8+); NK cells (CD45+ CD3- NK1.1+ DX5+); B cells (CD45+ CD3- NK1.1- B220+). Data are shown as box-and-whisker plots (box: median with interquartile range, whiskers: full data distribution), with each data point representing an individual mouse sample. \*  $p \leq 0.05$ ; \*\*  $p \leq 0.01$ . RPM = red pulp macrophages.