Supplementary Material

Activation of TLR Signaling in Sensitization-recruited Inflammatory Monocytes Attenuates OVA-induced Allergic Asthma

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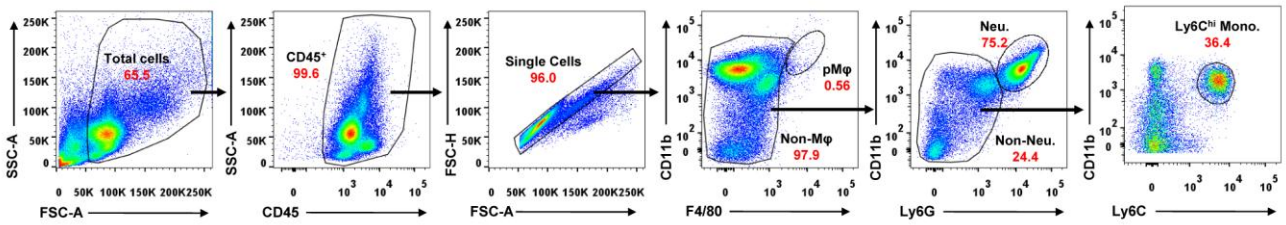
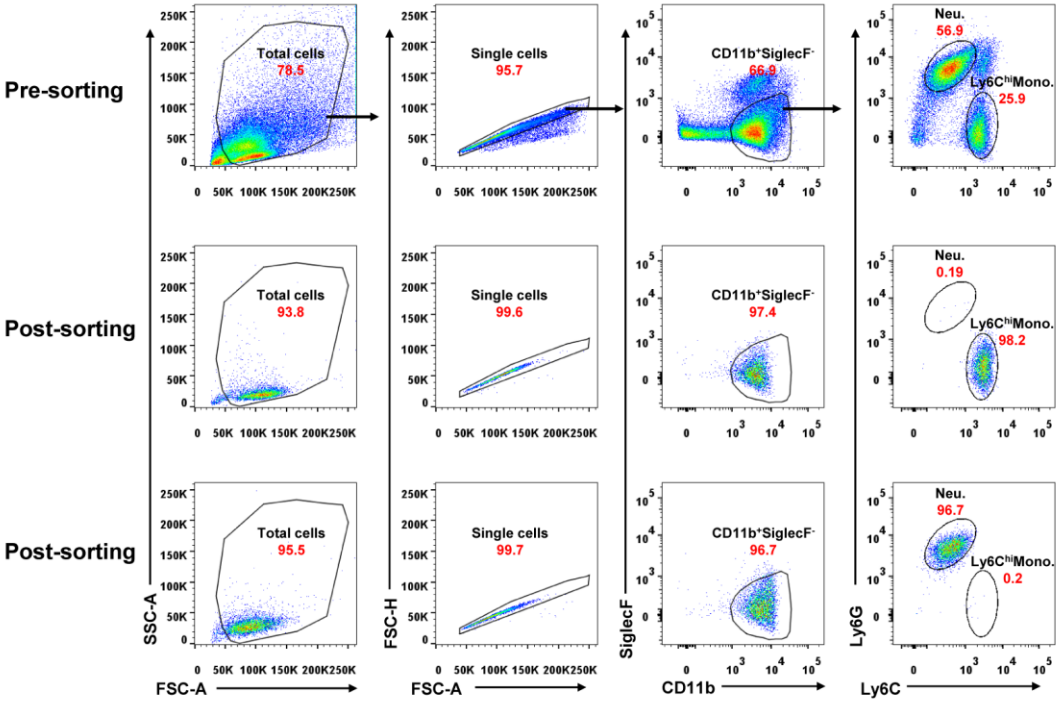
1 Supplementary Figures



Supplementary Figure 1 | Gating strategy for PLF in flow cytometry. WT B6 mice were i.p. injected with OVA/alum, and cells in PLF were collected 4 hours later for FACS analysis. Peritoneal macrophages in PLF were gated as $CD45^{+}F4/80^{hi}CD11b^{hi}$ cells, inflammatory monocytes in PLF were gated as $CD45^{+}F4/80^{lo}Ly6C^{hi}CD11b^{+}$ cells, and neutrophils in PLF were gated as $CD45^{+}Ly6G^{hi}CD11b^{hi}$ cells.



Supplementary Figure 2| Cell sorting strategy and purity of neutrophils and inflammatory monocytes in PLF. WT B6 mice were i.p. injected with OVA/alum, and cells in PLF were collected 4 hours later for sorting. The gating strategy and purity were shown. Inflammatory monocytes in PLF were sorted as $CD11b^{+}$ $SiglecF^{-}Ly6G^{-}Ly6C^{hi}$ cells, and neutrophils in PLF were sorted as $CD11b^{+}$ $SiglecF^{-}Ly6G^{hi}Ly6C^{low}$ cells. Neu., neutrophils; Mono., monocytes.

2 Supplementary Table

Supplementary Table 1. Anti-mouse monoclonal antibodies for flow cytometry

Fluorescence	Antigen	Clone	Company	Catalog number	Isotype control	Dilution
APC	CD11c	HL3	BD	550261	ArH IgG1,λ2	1：200
APC-CY7	CD11b	M1/70	BD	557657	Rat IgG2b.κ	1：200
Alexa Fluor® 647	SiglecF	E50-2440	BD	562680	Rat IgG2a, κ	1：200
BV510	MHC-II	M5/114.15.2	BioLegend	107635	Rat IgG2b, κ	1：200
BV605	Ly6C	HK1.4	BioLegend	128035	Rat IgG2c, κ	1：200
BV711	F4/80	BM8	BioLegend	123147	Rat IgG2a, κ	1：200
BV786	CD45	30-F11	BioLegend	103149	Rat IgG2b, κ	1：200
FITC	TLR2	6C2	eB	11-9021	Rat IgG2b,k	1：200
FITC	Ly6C	AL-21	BD	553104	Rat IgM, κ	1：200
FITC	Rat IgG2b,k	A95-1	BD	553988	/	1：200
Pacific Blue	Ly6G	1A8	BioLegend	127611	Rat IgG2a, κ	1：200
PE	SiglecF	E50-2440	BD	552126	Rat IgG2a, κ	1：200
PE	Ly6G	1A8	BD	551461	Rat IgG2a,k	1：200
PE	IL-13	eBio13A	eB	12-7133	Rat IgG1,κ	1：100
PE	CD284(TLR4)	UT41	eB	12-9041-80	Mouse IgG1, κ	1：100
PE	Mouse IgG1, κ	MOPC-31C	BD	550617	/	1：100
PE	Rat IgG1,k	R3-34	BD	554685	/	1：100
PE/Dazzle™ 594	CD3	17A2	BioLegend	100246	Rat IgG2b, κ	1：200
PE-CY7	CD3e	145-2C11	BioLegend	100320	AH IgG	1：200
PE-CY7	CD45	30-F11	BD	552848	Rat IgG2b,k	1：200
PE-CY7	NK1.1	PK136	BD	552878	Ms IgG2a,κ	1：200
Percp-CY5.5	NK1.1	PK136	BioLegend	108728	ms IgG2a,k	1：200
Percp-CY5.5	F4/80	BM8	eB	45-4801	Rat IgG2a,k	1：200
Percp-CY5.5	CD3e	145-2C11	BD	551163	AH IgG1,k	1：200
Percp-CY5.5	CD11b	M1/70	BioLegend	101228	Rat IgG2b,k	1：200
Percp-CY5.5	CD19	6D5	BioLegend	115534	Rat IgG2a,k	1：200