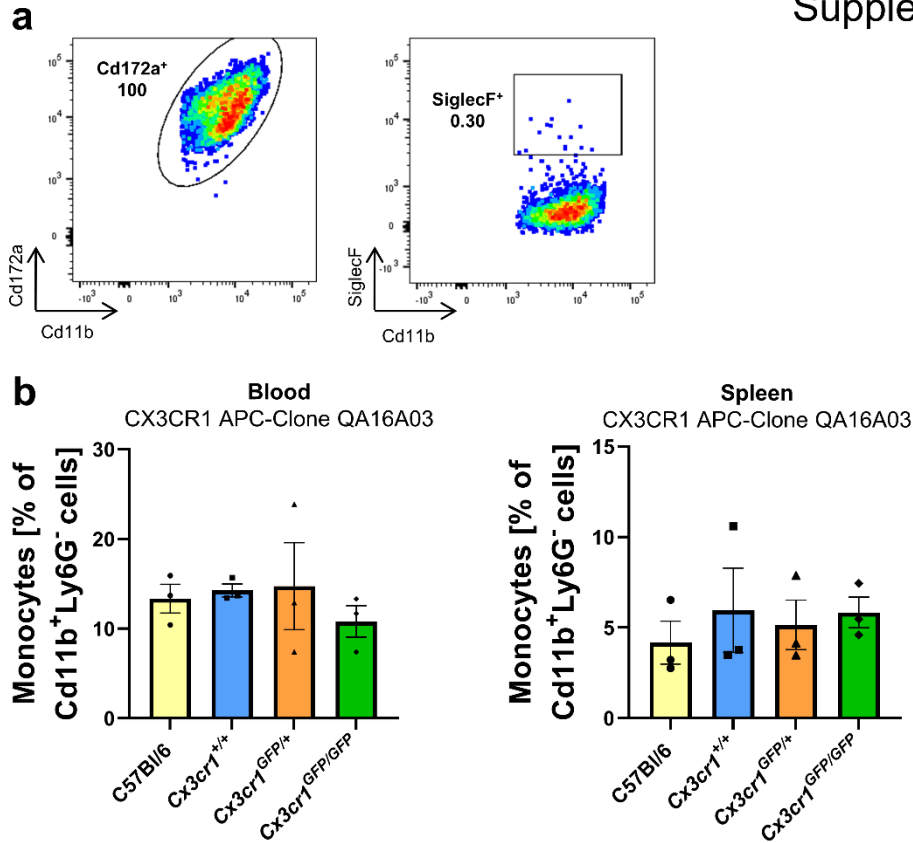


Supplemental Figure 1

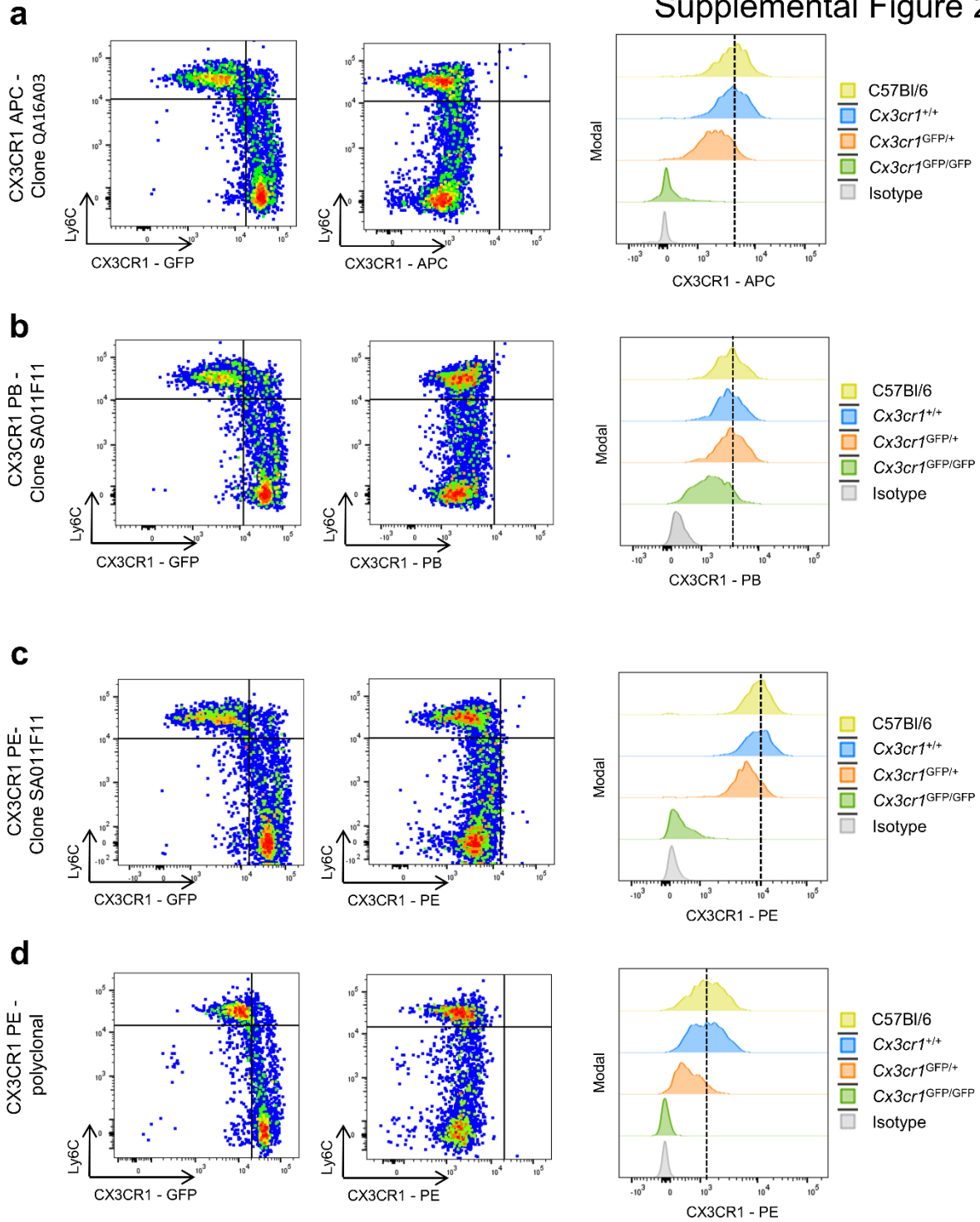


Supplemental Figure 1

(a) Expression of Cd172a and SiglecF on monocytes as identified in *Figure 1*.

(b) Quantification of Cd11b⁺Ly6G⁻Cd115⁺ monocytes in C57Bl/6 WT mice, WT littermates (*Cx3cr1*^{+/+}), heterozygous *Cx3cr1*^{GFP/+} and homozygous *Cx3cr1*^{GFP/GFP} mice in the peripheral blood (left panel) and the spleen (right panel). Similar results were obtained with all other CX3CR1 antibody clones used in this study.

Supplemental Figure 2

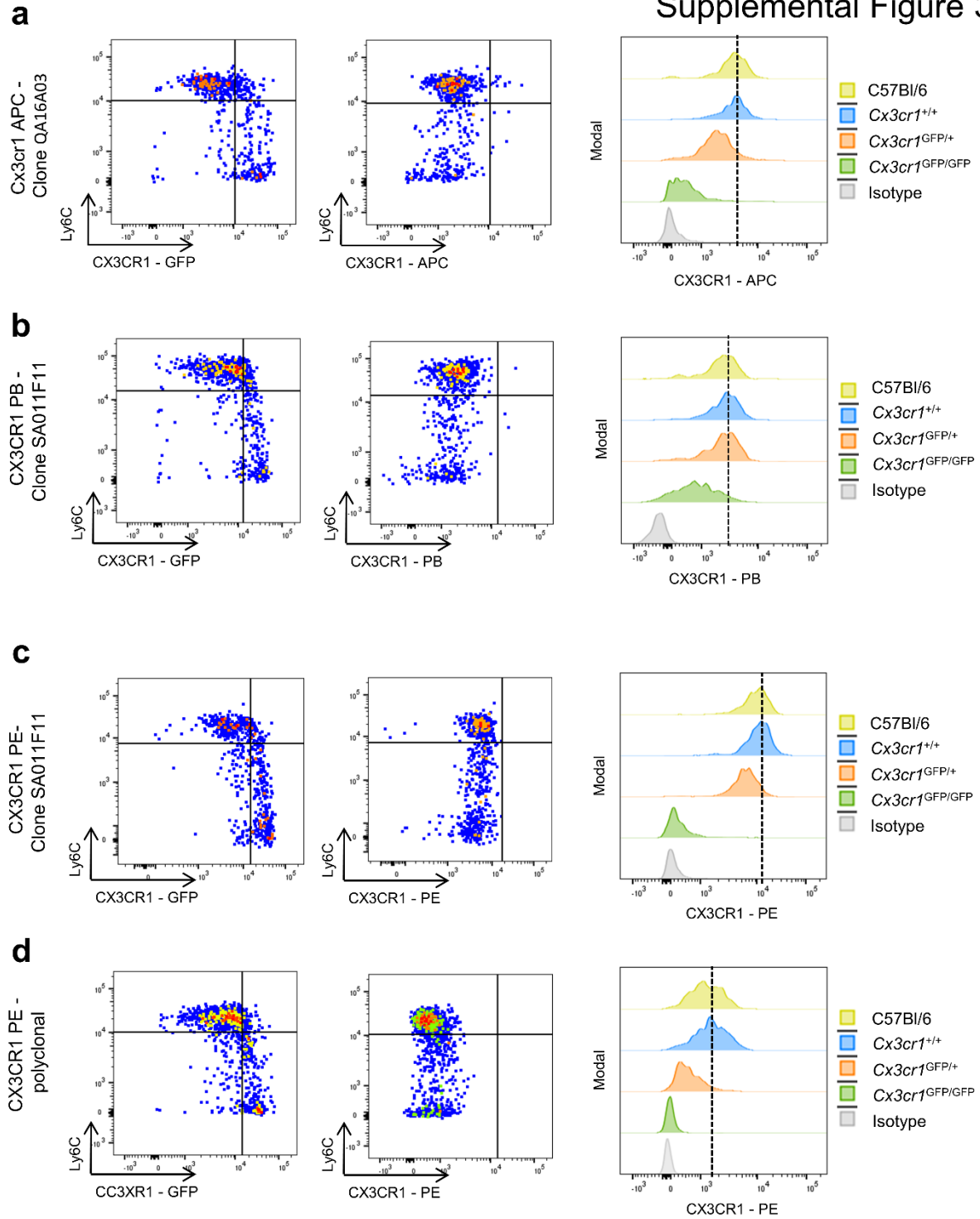


Supplemental Figure 2

(a-d) Representative flow cytometry showing the GFP signal (left panels) or antibody staining of CX3CR1 clone QA16A03 (APC, Biolegend) **(a)**, CX3CR1 clone SA011F11 (PB, Biolegend) **(b)**, CX3CR1 clone SA011F11 (PE, BioLegend) **(c)** or CX3CR1 polyclonal (PE, R&D) **(d)** (middle panel) of peripheral blood monocytes from the same

Cx3cr1^{GFP/+} reporter mice. Right panels: representative histograms of CX3CR1 antibody staining on monocytes from C57Bl/6 (WT, yellow) mice, WT littermates (*Cx3cr1*^{+/+}, blue), heterozygous *Cx3cr1*^{GFP/+} mice (red), homozygous *Cx3cr1*^{GFP/GFP} mice (green) and isotype or fluorescence minus one (FMO) control (grey).

Supplemental Figure 3

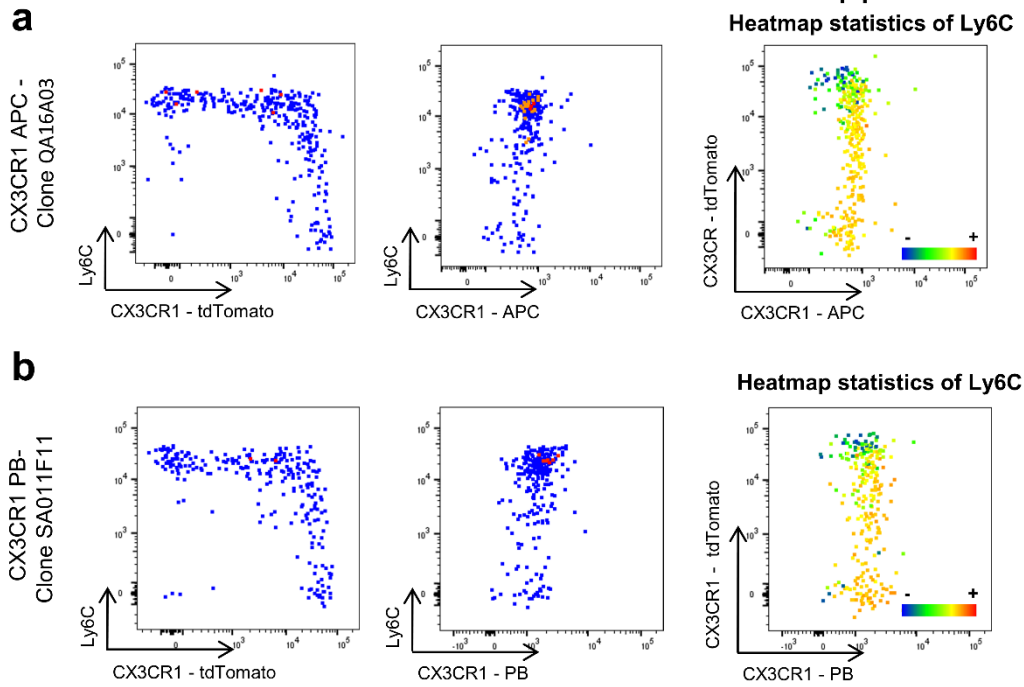


Supplemental Figure 3

(a-d) Representative flow cytometry showing the respective GFP signal (left panels) or antibody staining of CX3CR1 clone QA16A03 (APC, Biolegend) **(a)**, CX3CR1 clone SA011F11 (PB, Biolegend) **(b)**, CX3CR1 clone SA011F11 (PE, BioLegend) **(c)** and CX3CR1 polyclonal (PE, R&D) **(d)** of splenic monocytes from the same heterozygous

Cx3cr1^{GFP/+} reporter mice. Right panels: representative histograms of antibody staining in monocytes from the spleen of C57Bl/6 (WT, yellow) mice, WT littermates (*Cx3cr1*^{+/+}, blue), heterozygous *Cx3cr1*^{GFP/+} mice (red), homozygous *Cx3cr1*^{GFP/GFP} mice (green) and isotype or fluorescence minus one (FMO) control (grey), respectively.

Supplemental Figure 4



Supplemental Figure 4

(a) Left panels: representative flow cytometry showing the CX3CR1-tdTomato signal or CX3CR1 (QA16A03, APC) antibody signal in monocytes from the spleen of tamoxifen inducible *Cx3cr1* reporter mice. Right panel: visualisation of the heatmap statistics of Ly6C expression. Red indicates high expression of Ly6C, while blue indicates low expression of Ly6C.

(b) Left panels: representative flow cytometry showing the CX3CR1-tdTomato signal or CX3CR1 (SA011F11, PacificBlue) antibody staining in monocytes from the spleen of tamoxifen-inducible *Cx3cr1* reporter mice. Right panel: heatmap statistics of Ly6C expression.

Supplemental Table 1: List of antibodies used for flow cytometry

Target	Fluorophore	Clone	Manufacturer	Dilution factor
Cd11b	BV711	M1/80	Biolegend	1:100
Ly6G	PerCp/Cy5.5	1A8	Biolegend	1:100
Cd115	BV605	AF598	Biolegend	1:50
Ly6C	APC/Cy7	HK1.4	Biolegend	1:100
Ly6C	FITC	HK1.4	Biolegend	1:200
Ccr2	PE/Cy7	QA18A56	Biolegend	1:50
SiglecF	BV421	E50-2440	BD Bioscience	1:200
Cd172a	PE/Cy7	P84	Biolegend	1:80
CX3CR1	APC	QA16A03	Biolegend	1:100
CX3CR1	Pacific Blue	SA011F11	Biolegend	1:200
CX3CR1	PE	SA011F11	Biolegend	1:600
CX3CR1	PE	Z8-50 (Z8-50.23)	BD Bioscience	1:200
CX3CR1	PE	Polyclonal Goat IgG	R&D Systems	1:10
Mouse IgG1, k	APC	MOPC-21	Biolegend	1:100
Mouse IgG2a, k	PE	MOPC-173	Biolegend	1:600
Rat IgG2a, k	PE	RTK2758	Biolegend	1:200
Goat IgG	PE	Polyclonal	R&D Systems	1:10

Supplemental Table 2: List of antibodies used for fluorescence-activated cell sorting

Target	Fluorophore	Clone	Manufacturer	Dilution factor
Cd11b	APC	M1/80	Biolegend	1:100
Ly6G	BV421	1A8	Biolegend	1:100
Cd115	PE/Cy7	AFS98	Biolegend	1:50
Ly6C	APC/Cy7	HK1.4	Biolegend	1:100