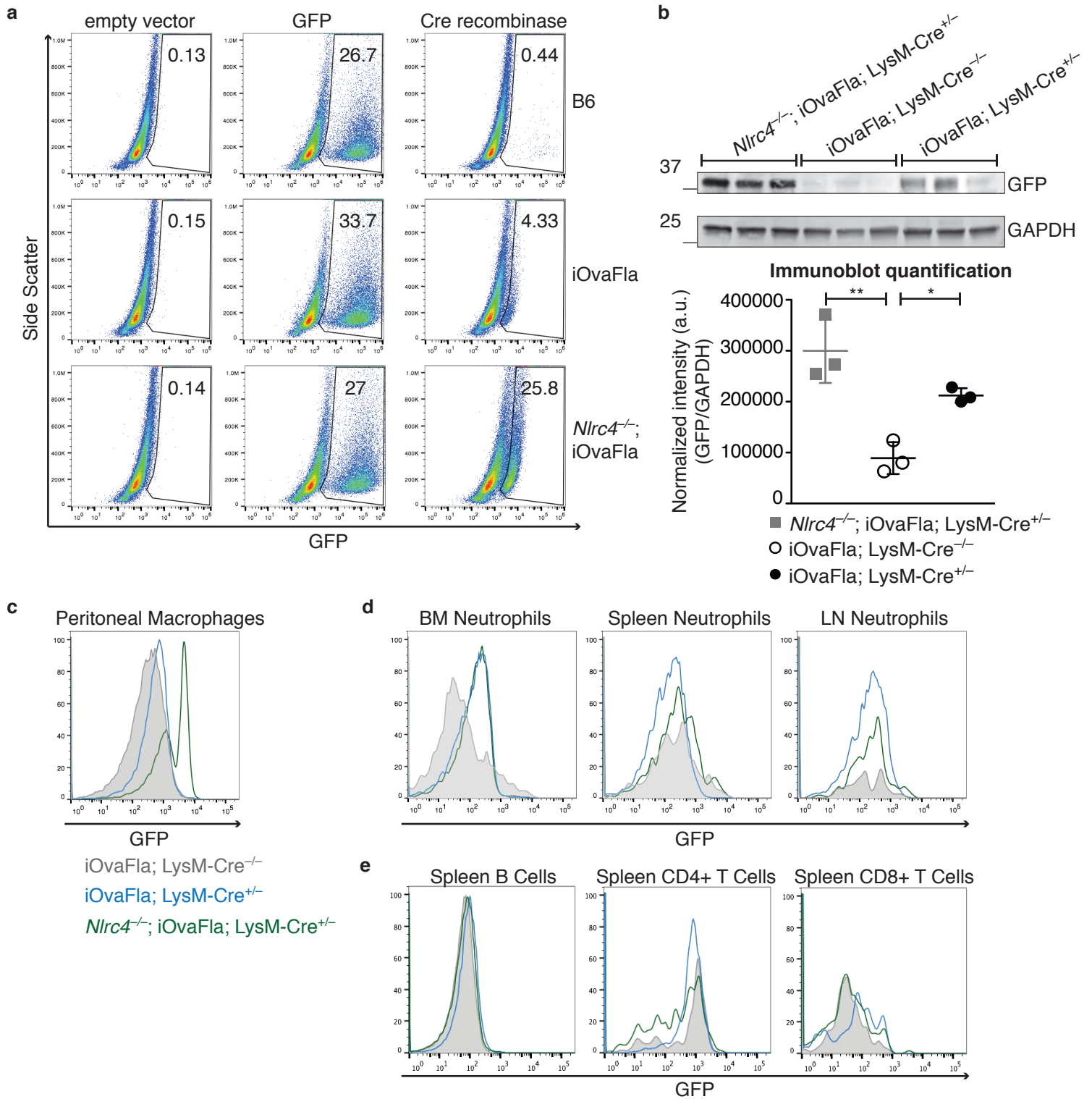
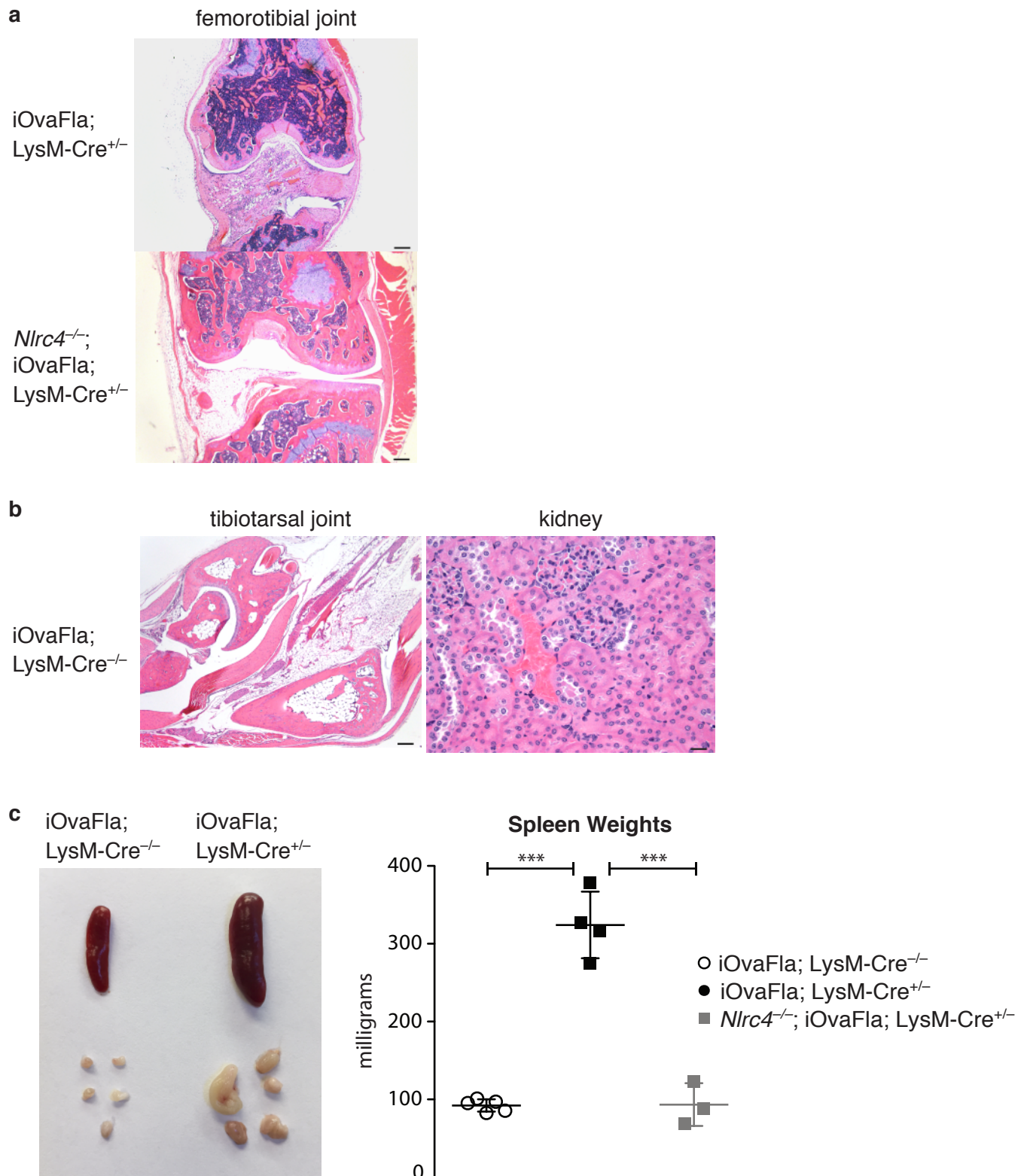


Supplementary Fig. 1



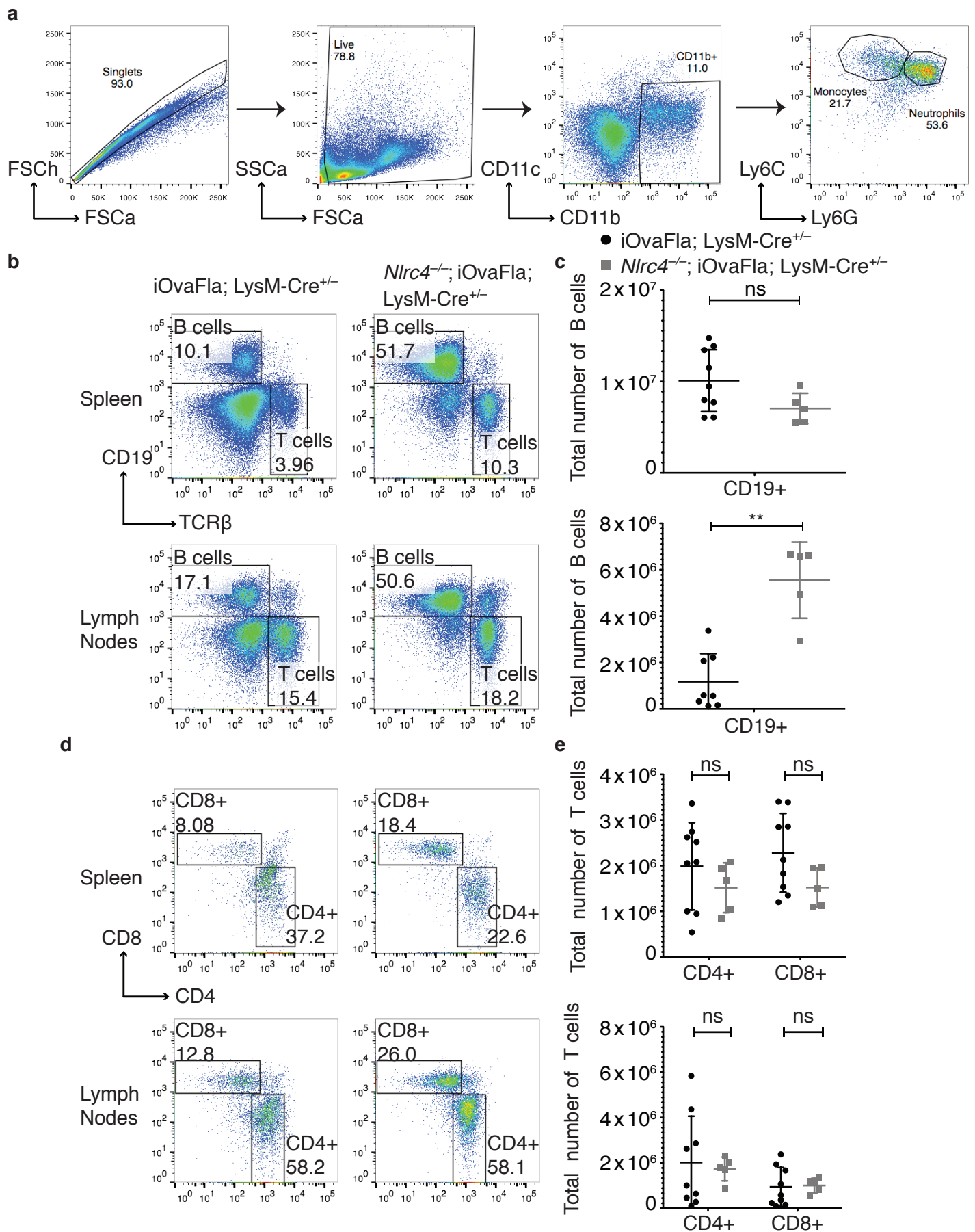
Supplementary Fig. 1. Genetic system for cell type-specific inflammasome activation in vivo. (a) Retroviral transduction of B6, iOvaFla^{+/+}, and *Nlr4*^{-/-}; iOvaFla^{+/+} BMMs with either an empty MSCV vector, MSCV vector containing only GFP, or MSCV vector expressing Cre Recombinase. (b) GFP immunoblot and quantification performed on *ex vivo* peritoneal macrophages. Quantification was performed using Licor image studio light. GFP histograms of (c) peritoneal macrophages, (d) neutrophils from the bone marrow, spleen, or lymph nodes, and (e) splenic B cells (CD19⁺ TCRb⁻), CD4⁺ (TCRb⁺ C19⁻ CD4⁺), and CD8⁺ T cells (TCRb⁺ C19⁻ CD8⁺). Data in (c - e) are representative from n=3 biological replicates and (a - d) two or (e) three independent experiments. Error bars are s.d. Results were analyzed with an one-way ANOVA and Bonferroni post-tests; * = p < 0.05, ** = p < 0.01.

Supplementary Fig. 2



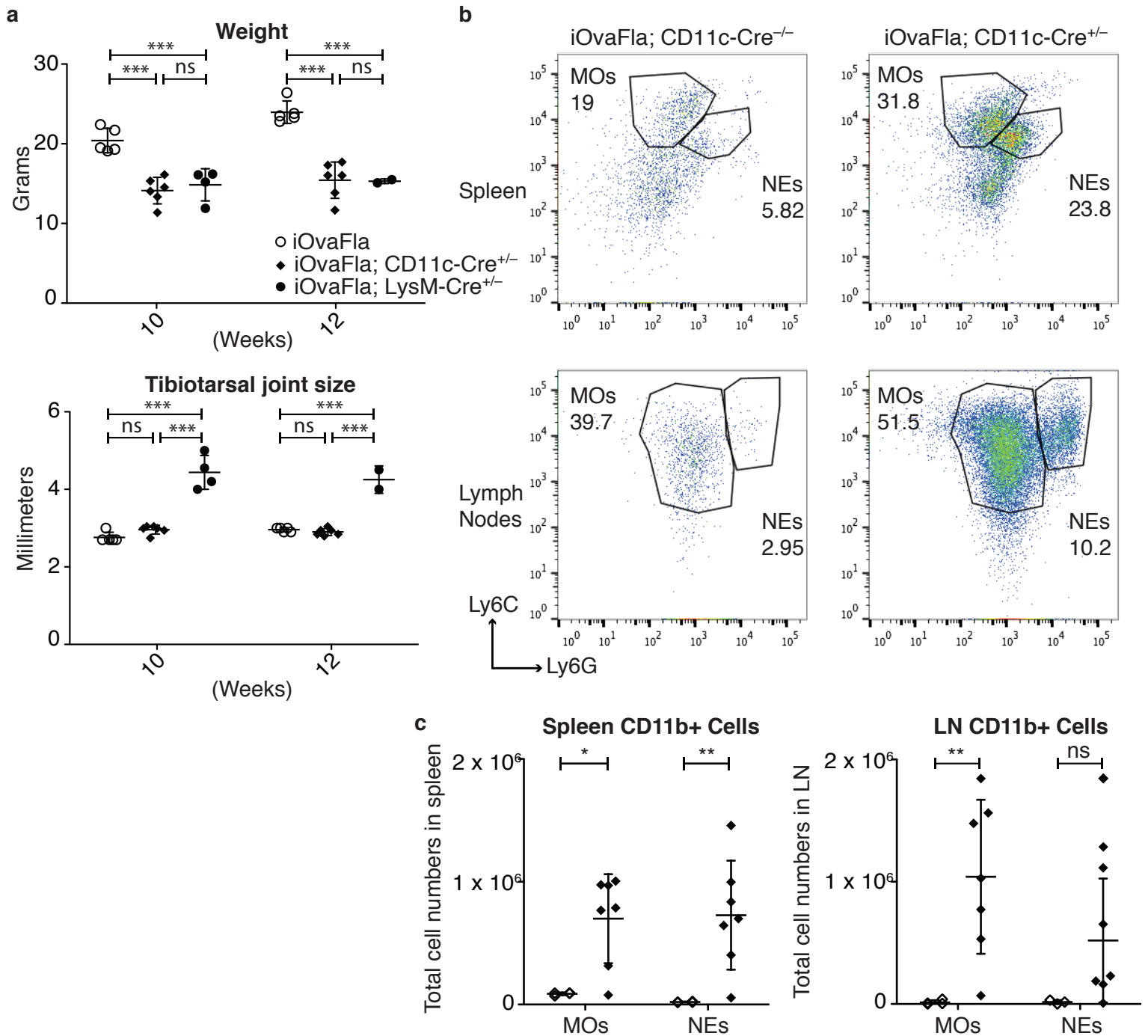
Supplementary Fig. 2. Systemic inflammation in iOvaFla^{+/-}; LysM-Cre^{+/-} mice. Histology images showing (a) femorotibial joint in 10 week iOvaFla; LysM-Cre^{+/-} mice compared to *Nlrc4*^{-/-}; iOvaFla; LysM-Cre^{+/-} mice (representative from 3 biological replicates) and **(b)** tibiotarsal joint and kidney of iOvaFla; LysM-Cre^{-/-} mice (representative from 2 biological replicates; femorotibial and tibiotarsal joints at magnification X40 and scale bar is 500 microns; kidney at magnification X400 and scale bar is 20 microns). **(c)** Spleen and lymph nodes of iOvaFla; LysM-Cre^{-/-} and iOvaFla; LysM-Cre^{+/-} mice and spleen weights from iOvaFla; LysM-Cre^{-/-}, iOvaFla; LysM-Cre^{+/-}, *Nlrc4*^{-/-}; iOvaFla; LysM-Cre^{+/-} mice (representative from two separate experiments). Error bars are s.d. Results were analyzed with a one-way ANOVA and Bonferroni post-tests; *** = *p* < 0.001.

Supplementary Fig. 3



Supplementary Fig. 3. Lymphocyte populations mostly unchanged in *iOvaFla; LysM-Cre^{+/-}* mice. (a) Gating strategy to determine monocytes and neutrophils. Example is an *iOvaFla; LysM-Cre^{+/-}* mouse. **(b)** Flow cytometry and **(c)** quantification of B cells ($CD19^+ TCR\beta^-$). **(d)** Flow cytometry and **(e)** quantification of $CD4^+$ ($TCR\beta^+ C19^- CD4^+$) and $CD8^+$ T cells ($TCR\beta^+ C19^- CD8^+$). b – e are representative of 3 independent experiments. Error bars are s.d. Results were analyzed with either a Mann-Whitney t-test or two-way ANOVA and Bonferroni post-tests; * = $p < 0.05$, ** = $p < 0.01$, *** = $p < 0.001$.

Supplementary Fig. 4



Supplementary Fig. 4. iOvaFla; CD11c-Cre^{+/-} mice have a less severe inflammatory phenotype. (a) Weight and tibiotarsal joint swelling as iOvaFla; Cre^{-/-}, iOvaFla; CD11c-Cre^{+/-}, and iOvaFla; LysM-Cre^{+/-} mice age. **(b and c).** Flow cytometry plots and cell number graphs are a compilation of two separate experiments of mice aged 12-20 weeks old. For the flow cytometry plot, the top row is from the spleen and the second row from peripheral and mesenteric lymph nodes. Each column represents a different genotype. **(b)** Flow cytometry and **(c)** quantification of monocytes (MO; CD11b⁺ Ly6C^{Hi} Ly6G^{Lo}) and neutrophils (NE; CD11b⁺ Ly6C^{Lo} Ly6G^{Hi}). Data in (b, c) are representative of two independent experiments. Error bars are s.d. Results were analyzed with a two-way ANOVA and Bonferroni post-tests; * = $p < 0.05$, ** = $p < 0.01$, *** = $p < 0.001$.

Supplemental Table 1

Antibody	Clone	Used at	Supplier
Anti-CD11b PB	M1/70	1:250	eBiosciences 48-0112
Anti-CD11c APC	N418	1:250	eBiosciences 17-0114
Anti-Ly6G PE Cy7	1A8	1:250	Biolegend 127618
Anti-Ly6C PerCP Cy5.5	HK1.4	1:250	eBiosciences 45-5932
Anti-MHCII PE	M5/114.15.2	1:500	eBiosciences 12-5321
Anti-CD19 PE	eBio1D3	1:250	eBiosciences 12-0193
Anti-CD3 APC	145-2C11	1:250	eBiosciences 17-0031
Anti-CD4 PerCP e710	GK1.5	1:250	eBiosciences 25-0041
Anti-CD8 APC Cy7	53-6.7	1:250	eBiosciences 47-0081

Table listing all the flow cytometry antibodies used, the antibody clone, concentration used, and the supplier and catalogue number.