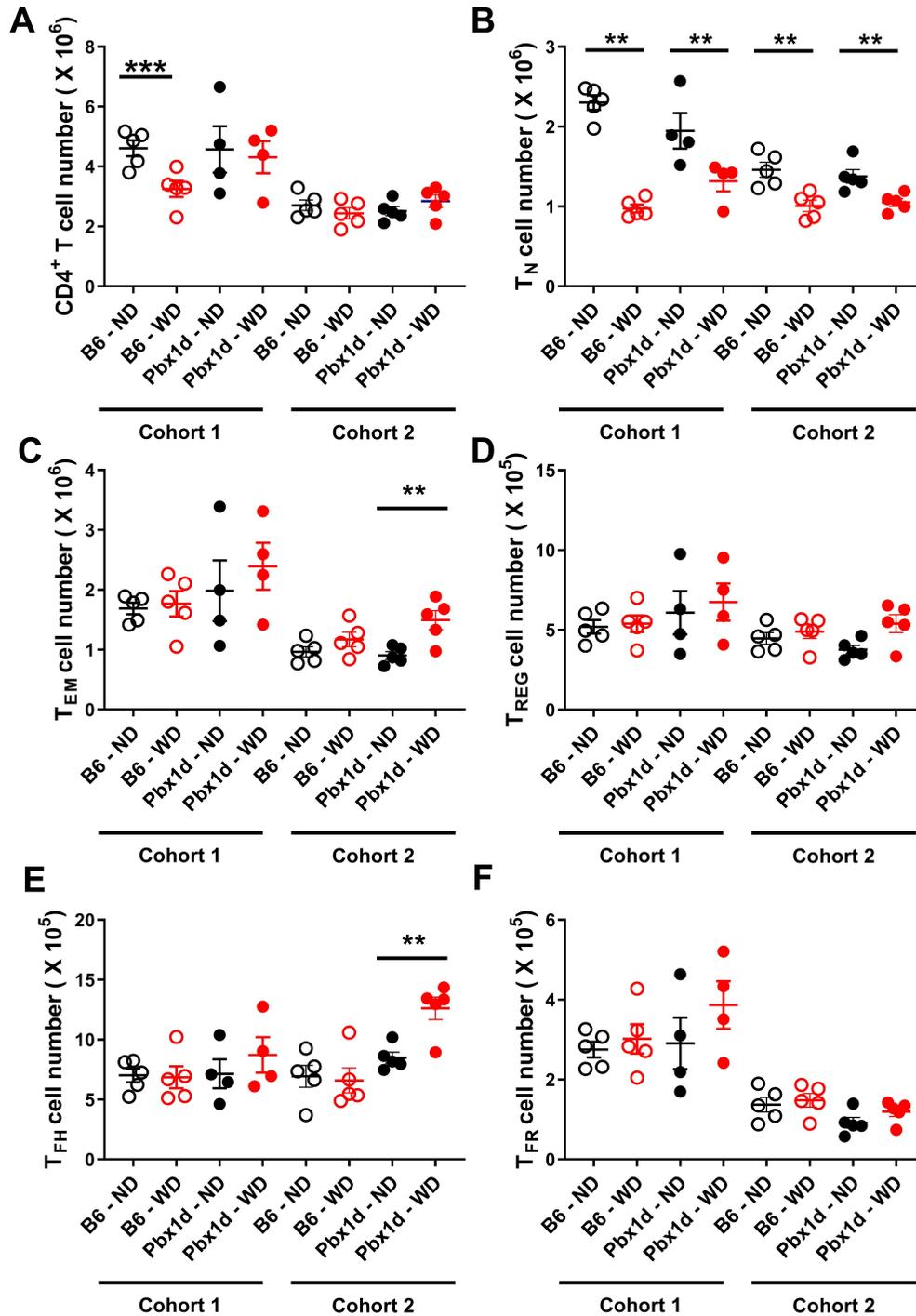
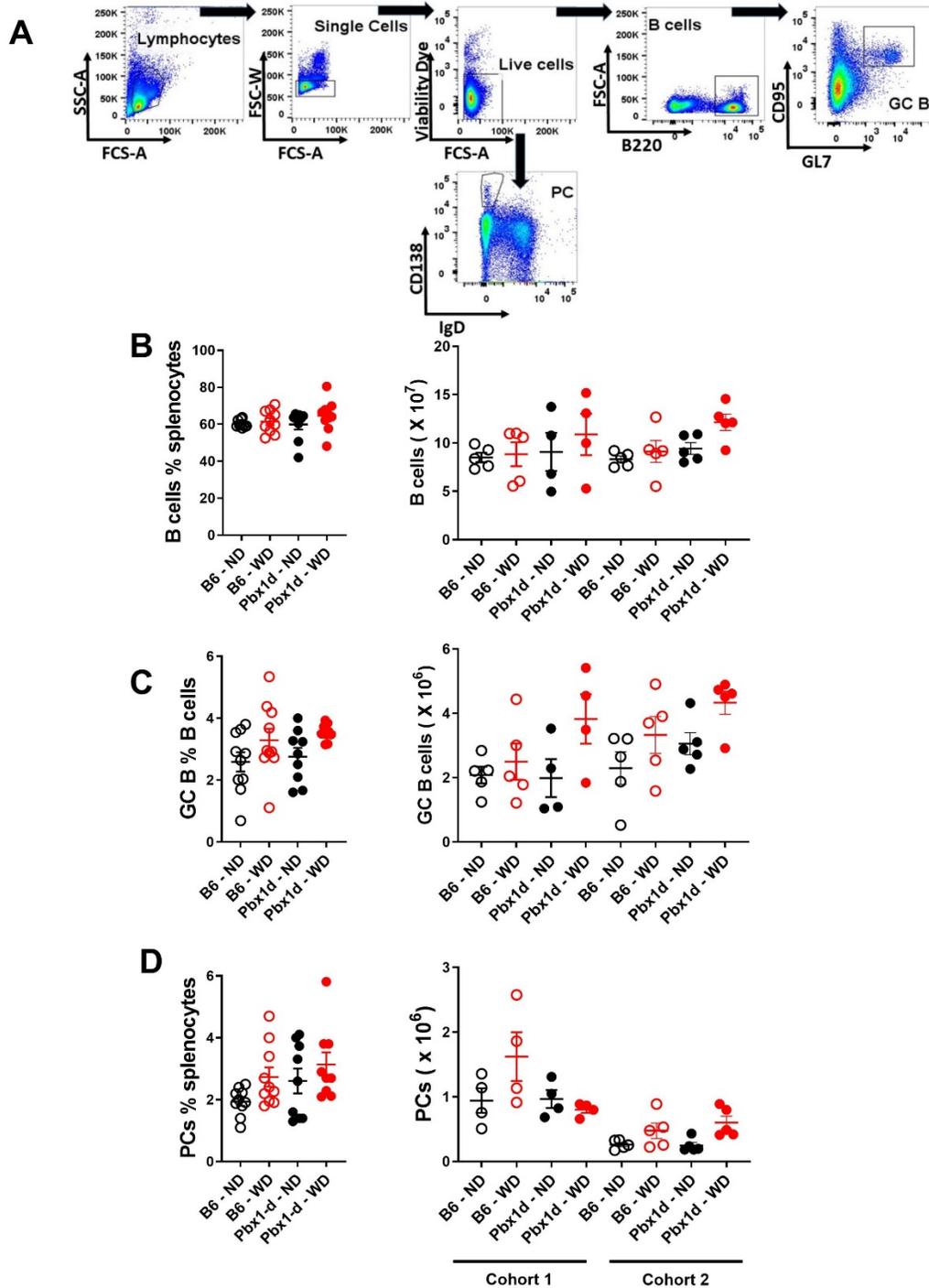


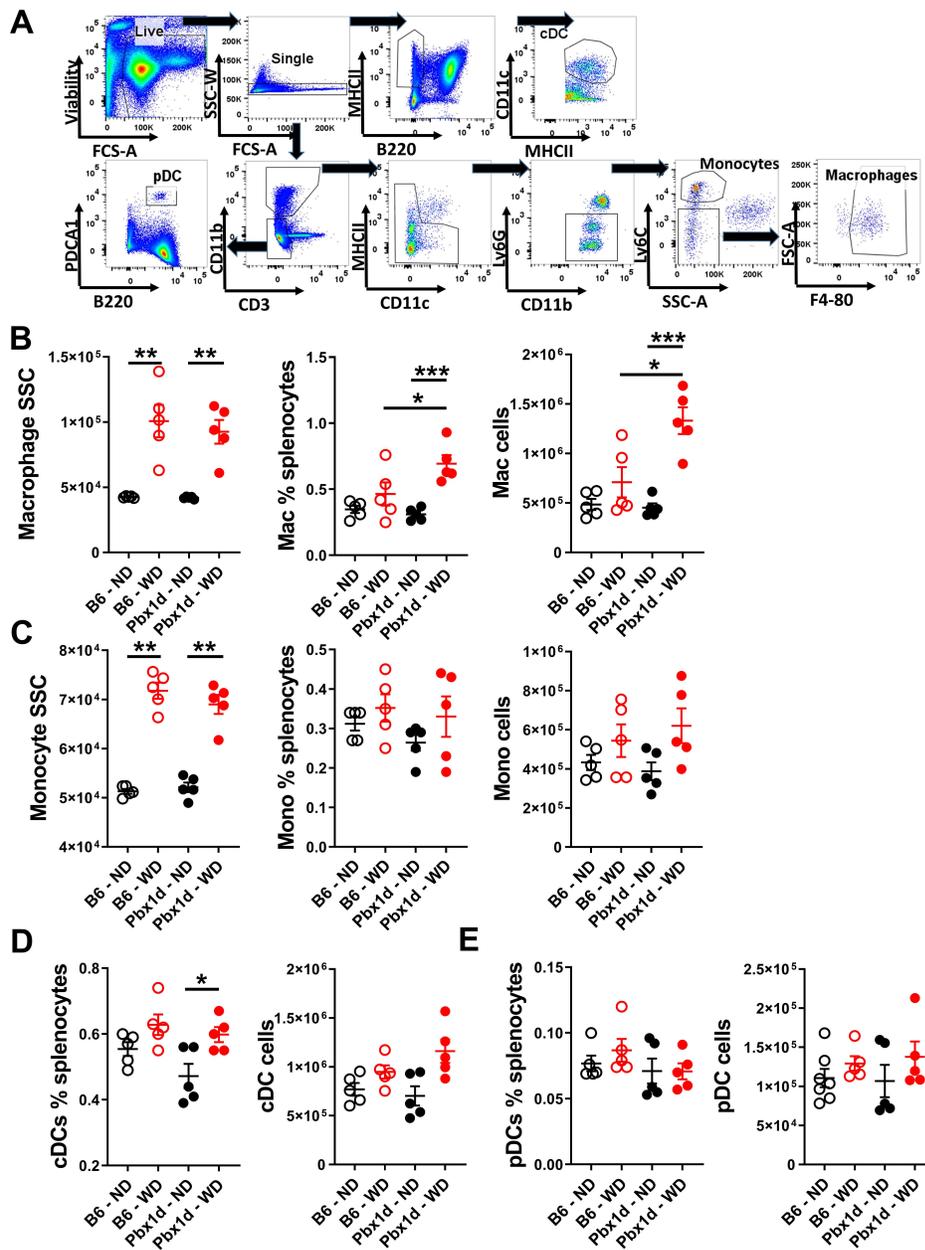
Sup. Fig. 1. Analysis of aortic root lesions and serum antibodies in the chimeric Ldlr KO mice. Quantification of the total lesions (A) and ORO-stained lesions (B). (C) Aortic root histological scores in chimeric mice fed with WD; (D) Representative H&E-stained sections and necrotic score (E). Terminal serum anti-RNA IgG (F) Necrotic Anti-oxidized LDL IgG (G), total IgG (H) and IgM (I). Total CD4⁺ cells (J) and CD4⁺CD25⁺ cells (K) in the aorta. Means \pm S.E.M compared with one-way ANOVA with Tukey's multiple comparisons tests. ** P < 0.01. Each symbol represents a mouse.



Sup. Fig. 2. Numbers of CD4⁺ T cell subsets in Ldlr KO chimeric mice. Total CD4⁺ T cells (A), CD4⁺CD62L⁺CD44⁻ naïve T (T_N) cells (B), CD4⁺CD62L⁻CD44⁺ effector memory T (T_{EM}) cells (C), CD4⁺Foxp3⁺ regulatory T (T_{REG}) cells (D), CXCR5⁺PD-1⁺Bcl6⁺Foxp3⁻ T_{FH} (E) and CXCR5⁺PD-1⁺Bcl6⁺Foxp3⁺ T_{FR} (F) cells in B6 and Pbx1d chimeric mice fed with ND or WD diets from 2 independent cohorts. Means ± S.E.M compared with one-way ANOVA with Tukey's multiple comparisons tests. ** P < 0.01, *** P < 0.001. Each symbol represents a mouse.



Sup. Fig. 3. B cells in Ldlr KO chimeric mice. (A) Gating strategy. Frequency and cell number of total B cells (B), CD95⁺GL7⁺ GC B cells (C) and CD138⁺IgD⁻ plasma cells (D) in the spleen of B6 and Pbx1d chimeric mice fed with ND or WD diets from 2 independent cohorts. Means \pm S.E.M compared. Each symbol represents a mouse.



Sup. Fig. 4. Myeloid cells in the spleen of Ldlr KO chimeric mice. (A) Gating strategy. Side scatter, frequency and cell number of Ly6C^{low}CD11b⁺F4-80⁺ macrophages **(B)** and Ly6C^{hi}CD11b⁺Ly6G^{low} monocytes **(C)**. Frequency and cell number of B220⁻CD11c⁺MHCII⁺ conventional DC (cDCs) **(D)** and CD3⁻CD11b⁻B220⁺PDCA1⁺ pDCs **(E)** in B6 and Pbx1d chimeric mice fed with ND or WD diets. Means ± S.E.M compared with one-way ANOVA with Tukey's multiple comparisons tests. P < 0.05, ** P < 0.01, *** P < 0.001. Each symbol represents a mouse.