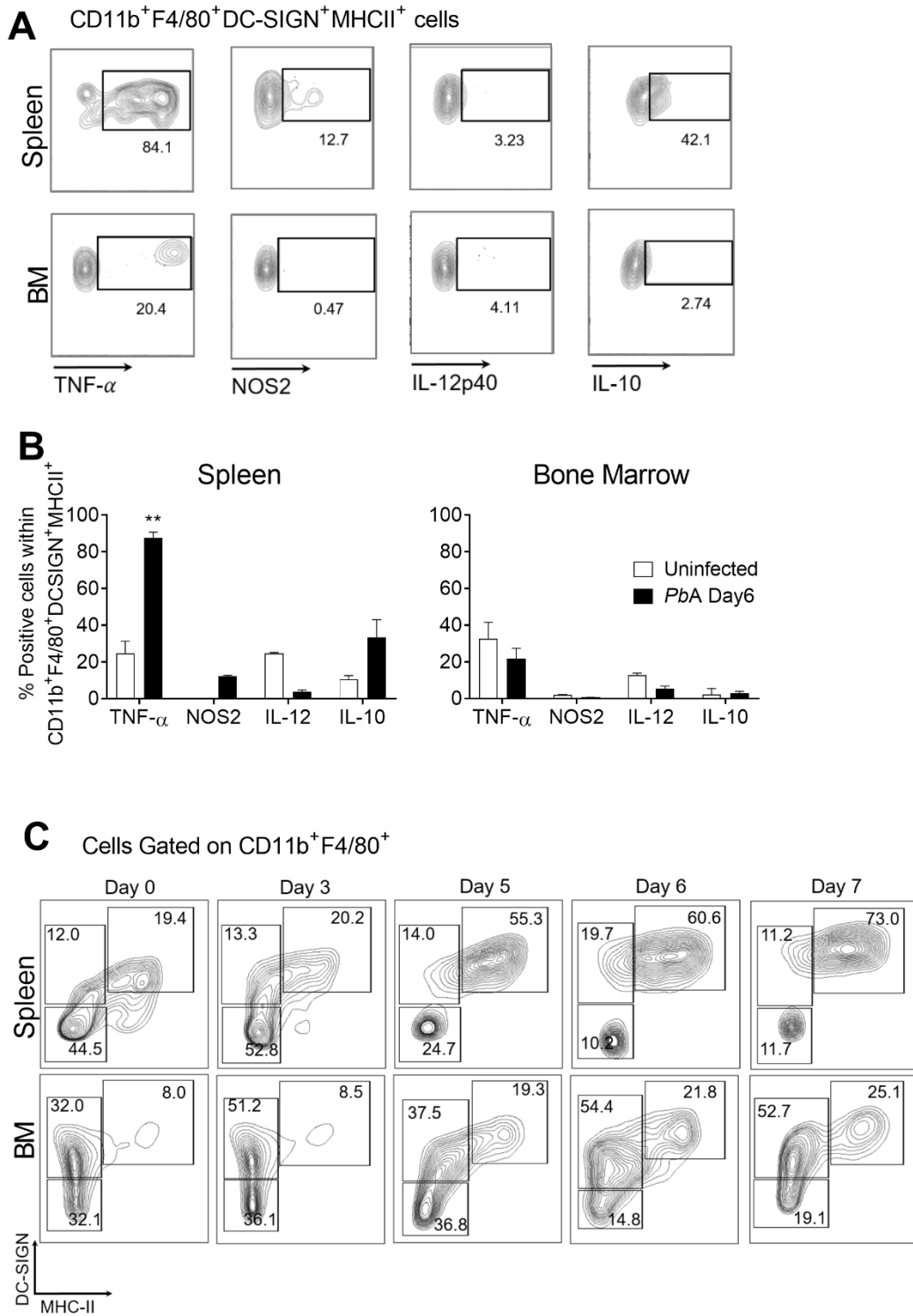
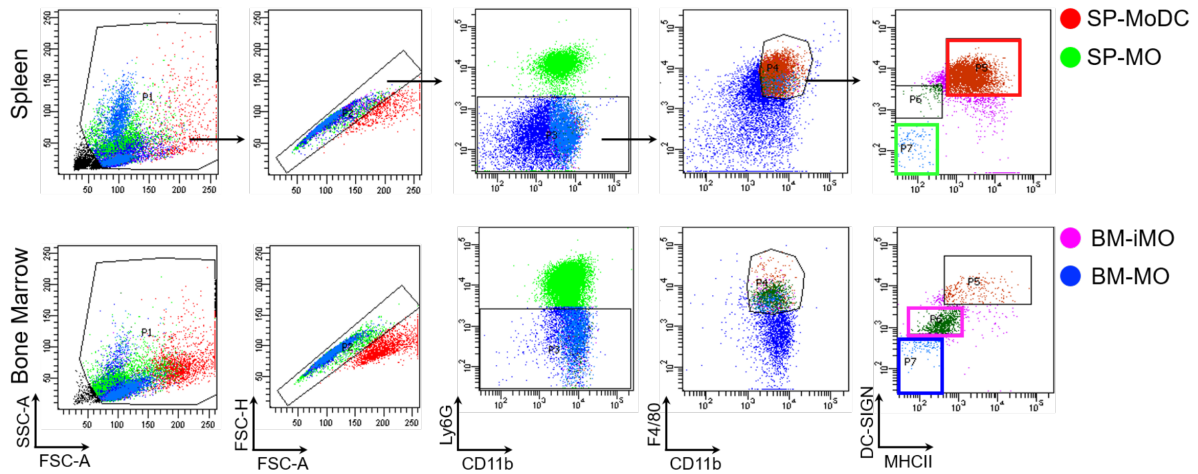


Supplementary Figure 1



Supplementary Figure 1. Cytokine production, NOS2 expression and kinetics of MoDC differentiation during *PbA* infection. (A) Cytokine production by CD11b⁺F4/80⁺DC-SIGN^{hi}MHCII^{hi} cells from spleen and BM. Total splenocytes and BM cells were cultured for 24h with 100 ng/mL of LPS and stained for flow cytometry quantification of the intracellular cytokines TNF α , IL-12p40 and IL-10 and iNOS (NOS2). (B) Frequency of CD11b⁺F4/80⁺DC-SIGN⁺MHCII⁺ cells positive for the cytokines TNF α , IL-12p40, IL-10 and NOS2. The data shown are representative of two independent experiments. Results are expressed as average \pm s.e.m. ** $P \leq 0.001$. (C) Splenic and BM cells were collected from mice on days 0, 3, 5, 6 and 7 post-infection with *PbA*. Contour plot show the frequency of MODCs, iMOs and MO within total CD11b⁺F4/80⁺ cells. Data shown is representative of two independent experiments.

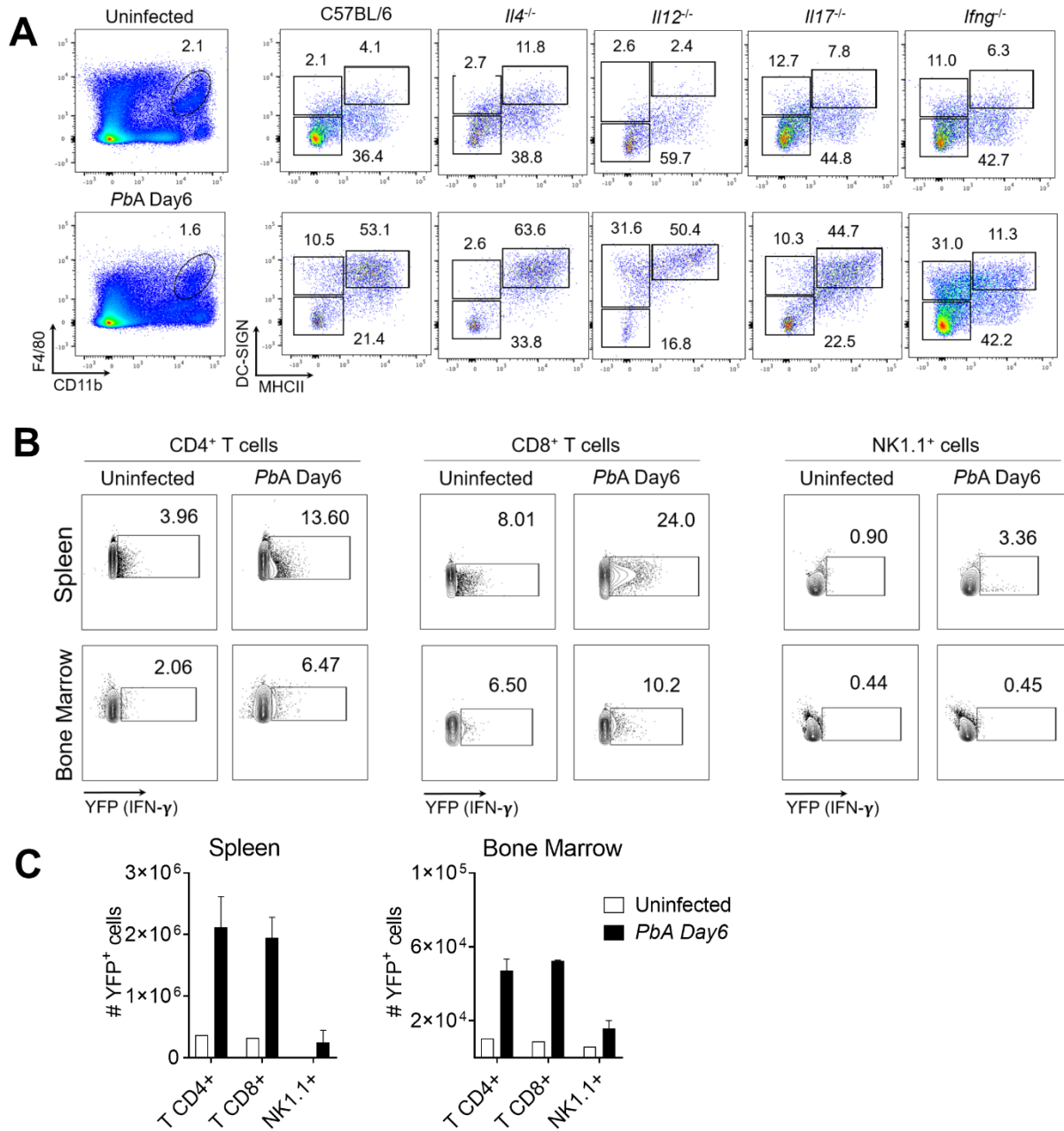
Supplementary Figure 2



Supplementary Figure 2. Sorting of splenic and bone marrow populations.

Splenocytes and BM cells were pulled from 5 C57BL/6 mice and isolation of specific populations was performed by cell sorting: SP-MO and BM-MO cells ($\text{Ly6G}^- \text{CD11b}^+ \text{F4/80}^+ \text{DC-SIGN}^- \text{MHCII}^-$) were isolated from uninfected mice; BM-iMO ($\text{Ly6G}^- \text{CD11b}^+ \text{F4/80}^+ \text{DC-SIGN}^{\text{lo}} \text{MHCII}^-$) and SP-MoDC ($\text{Ly6G}^- \text{CD11b}^+ \text{F4/80}^+ \text{DC-SIGN}^{\text{hi}} \text{MHCII}^{\text{hi}}$) were isolated from mice 6 days post-*PbA* infection. Three samples from each cell population were obtained and cells were later used for RNA or miRNA extraction, mRNA library preparation and sequencing.

Supplementary Figure 3



Supplementary Figure 3. Role of IFN γ on the differentiation of MoDCs during *PbA* infection. (A) Splens of uninfected and 6 days *PbA*-infected mice were collected from C57BL/6, IL-4^{-/-}, IL-12^{-/-}, IL-17^{-/-} and IFN γ ^{-/-}. Dot plot shows the frequency of DC-SIGN⁺MHCII⁺ cells within total monocytes CD11b⁺F4/80⁺ in uninfected and infected mice.

(B) Splenocytes and BM cells from uninfected and infected GREAT mice uninfected or infected cultured for 4 h with PMA (50 ng/mL) and ionomycin (500 ng/mL) in the presence of brefeldin A and analyzed by flow cytometry. Cells were gated on CD4⁺, CD8⁺ or NK1.1⁺. YFP-positive cells were considered as IFN γ . **(C)** Bar graphs indicate the absolute number of YFP-positive cells within each population.