Supporting Information:
Dynamic immune cell recruitment after murine pulmonary *Aspergillus fumigatus* infection under different immunosuppressive regimens

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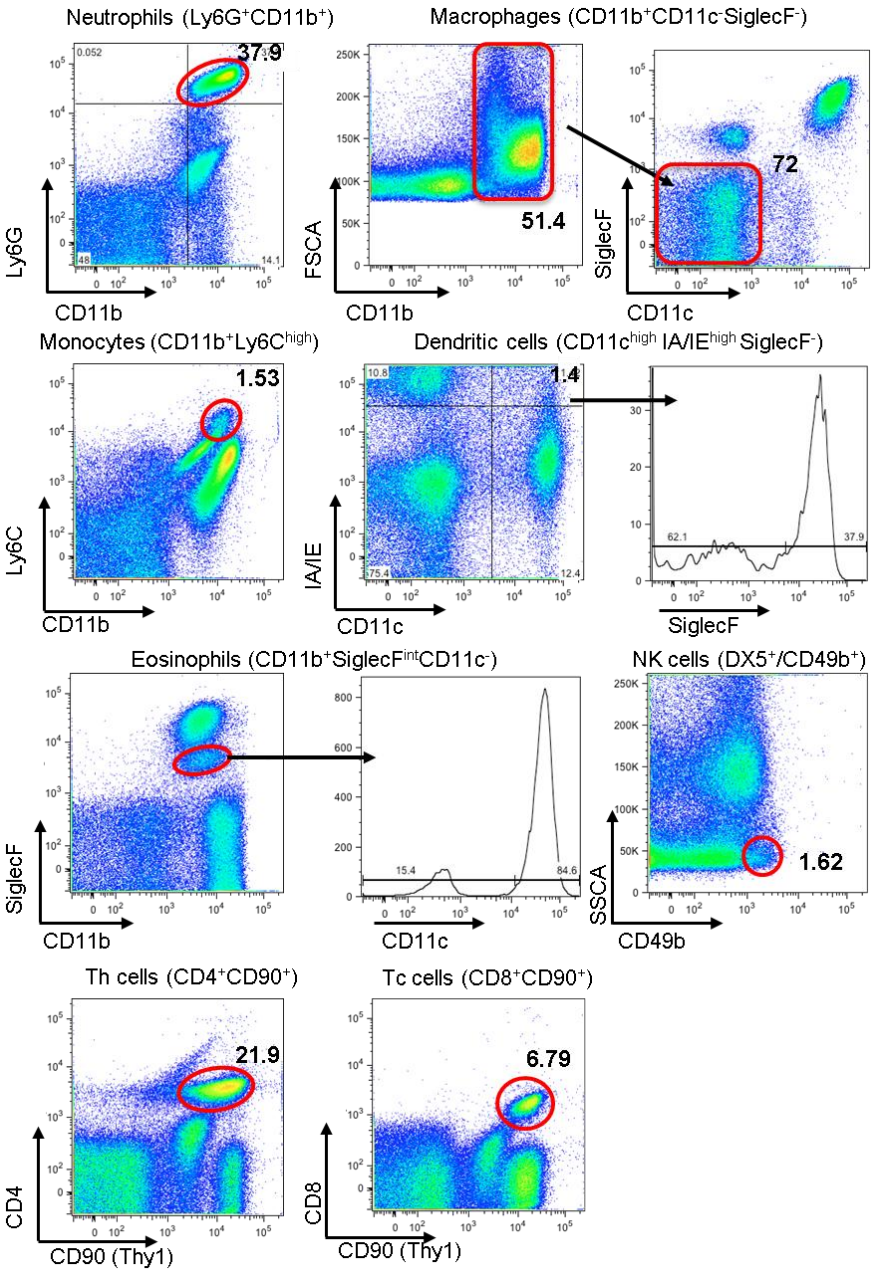

Figure. S1. Flow cytometry gating strategy for immune cell populations in the lung. Representative dot plots show distinct immune cell phenotypes based on defined antibody stainings.

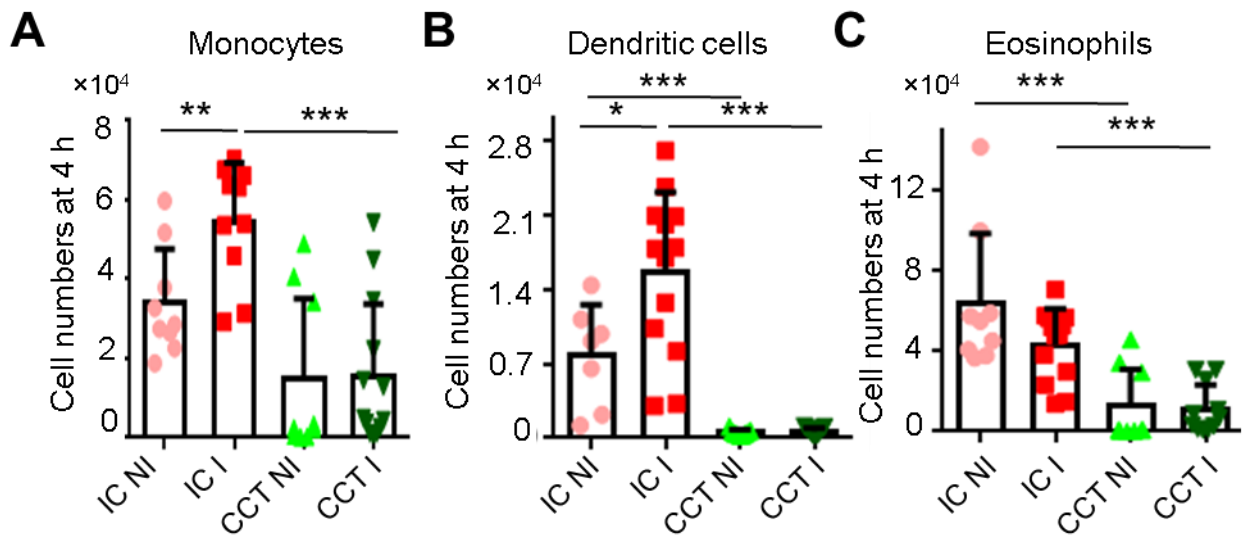

Fig. S2 Immune cell response in CCT mice after A. fumigatus infection. Flow cytometry of lungs from non-infected (NI) or with 106 A. fumigatus conidia infected (I) immunocompetent (IC) and Cyclophosphamide & corticosteroid treated (CCT) mice at indicated time points, (A) In vivo lung monocyte recruitment 4 h after A. fumigatus infection. (B) In vivo lung dendritic cell recruitment 4 h after A. fumigatus infection. (C) In vivo lung eosinophil recruitment 4 h after A. fumigatus infection. Data are pooled from three independent experiments with at least n=3/ group of mice in each experiment. Unpaired Mann-Whitney *u*-test was utilized to determine significant differences: * P<0.05; ** P<0.01; *** P<0.001.

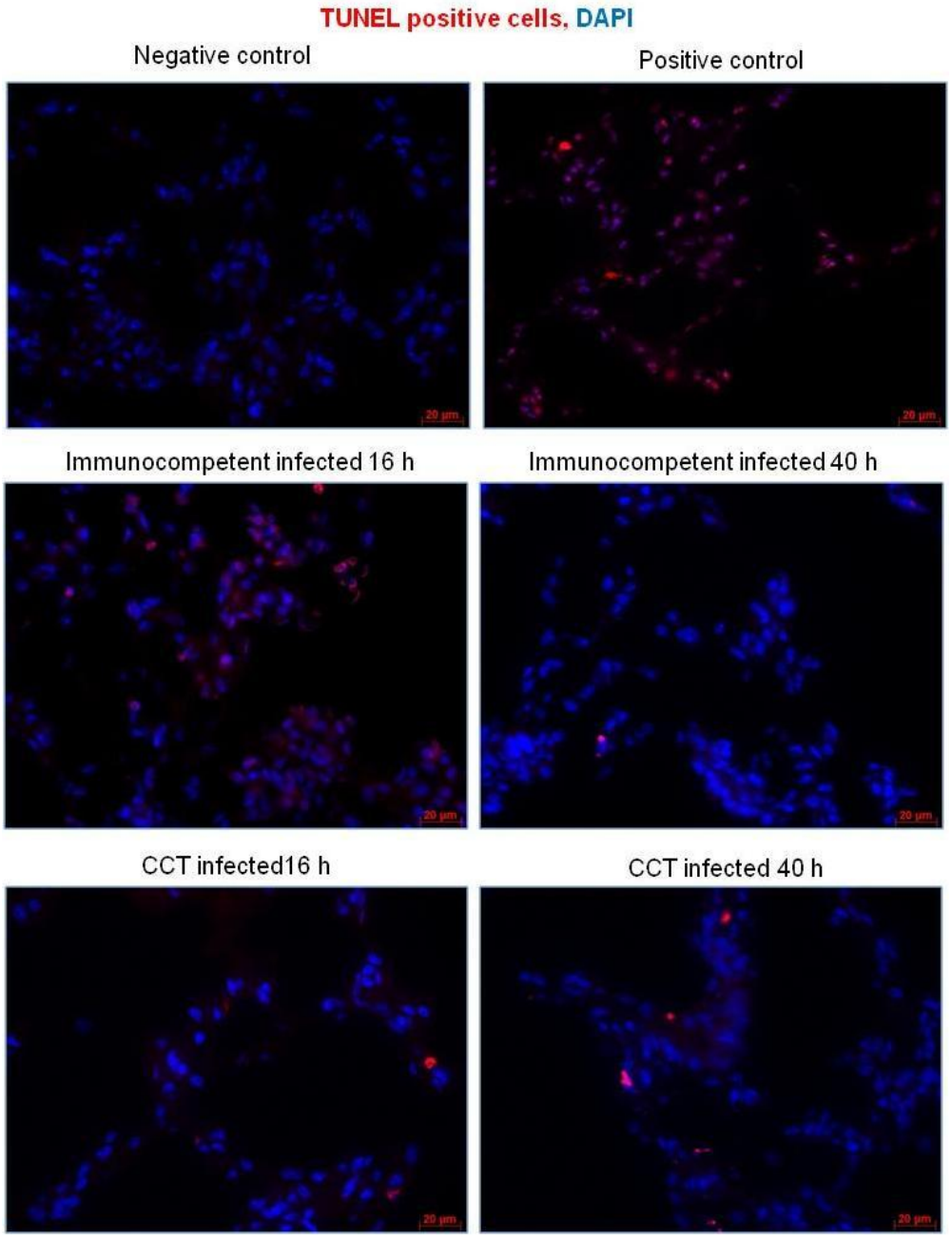

Fig. S3. Detection of apoptotic cells by TUNEL staining. Lung sections of immunocompetent (IC) and corticosteroid & cyclophosphamide treated (CCT) mice at 16 h and 40 h after infection were prepared and TUNEL staining was performed using a commercial kit (TUNEL positive cells in red, DAPI staining for nuclei in blue, Scale bar 20µM).

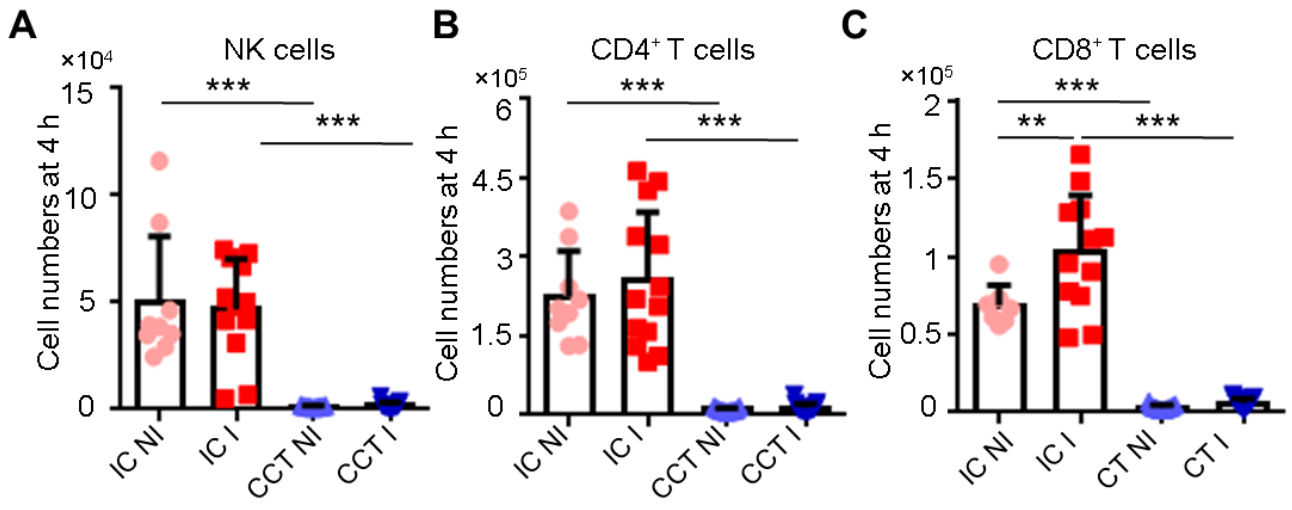

Fig. S4 Immune cell response in CT mice after A. fumigatus infection. Flow cytometry of lungs from immunocompetent (IC) and corticosteroid treated (CT) mice, either non-infected (NI) or 4 hours after infection (I) with 106 A. fumigatus conidia. (A) In vivo lung NK cell (B) In vivo lung CD4+ T cell and (C) In vivo lung CD8+ T cell recruitment 4 h after A. fumigatus infection. Data are pooled from three independent experiments with at least n=3/ group of mice in each experiment. Unpaired Mann-Whitney *u*-test was utilized to determine significant differences: * P<0.05; ** P<0.01; *** P<0.001.

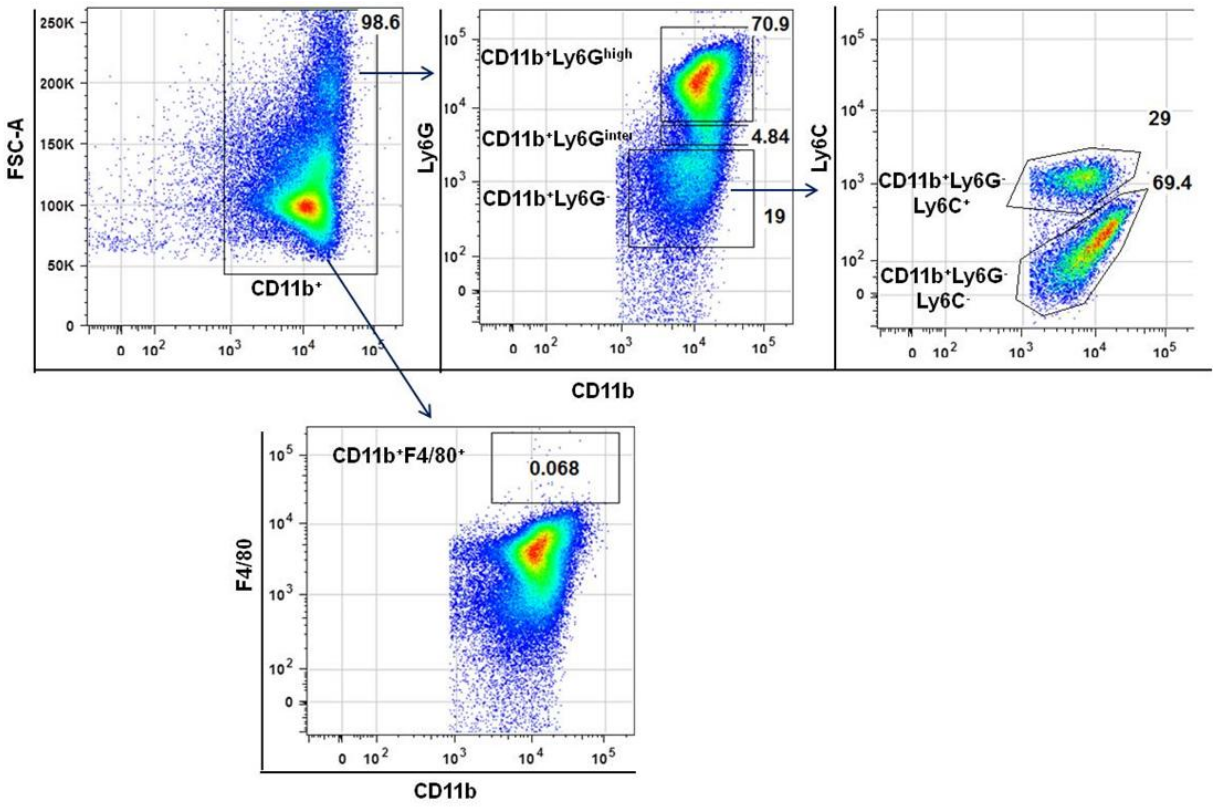

Fig.S5. Flow cytometry gating strategy for CD11b+ enriched myeloid cell fraction. CD11b+ cells were enriched from mouse bone marrow using a CD11b isolation kit. Dot plots show distinct immune cell phenotypes (CD11b+Ly6Chigh: monocytes, CD11b+Ly6Ghigh: neutrophils, CD11b+F4/80: macrophages) based on defined antibody stainings.