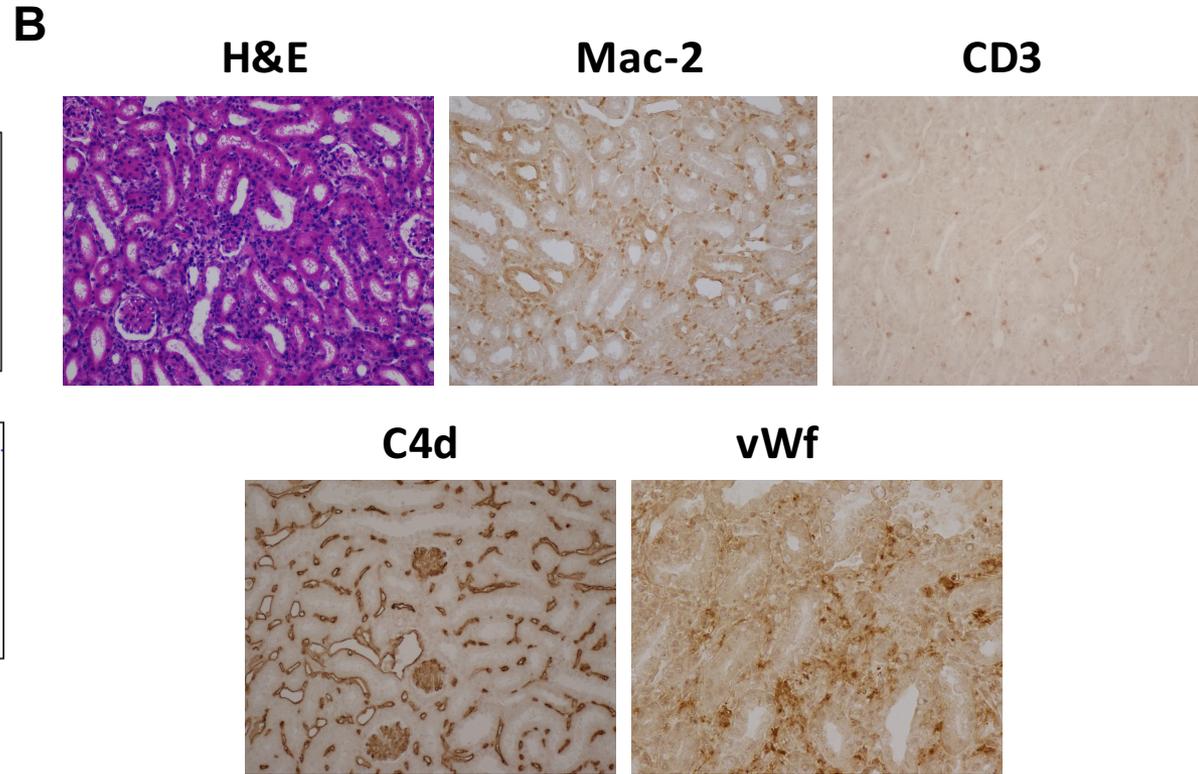
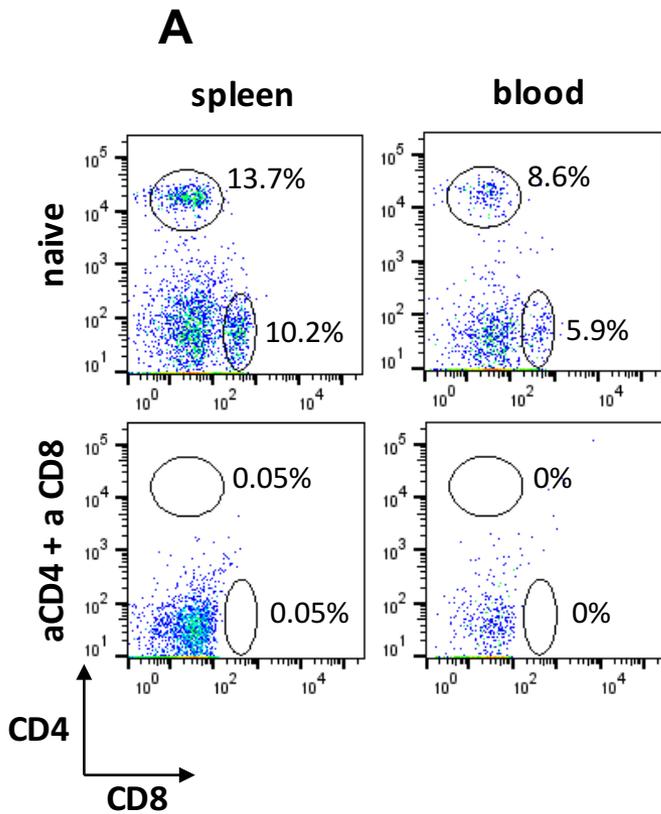
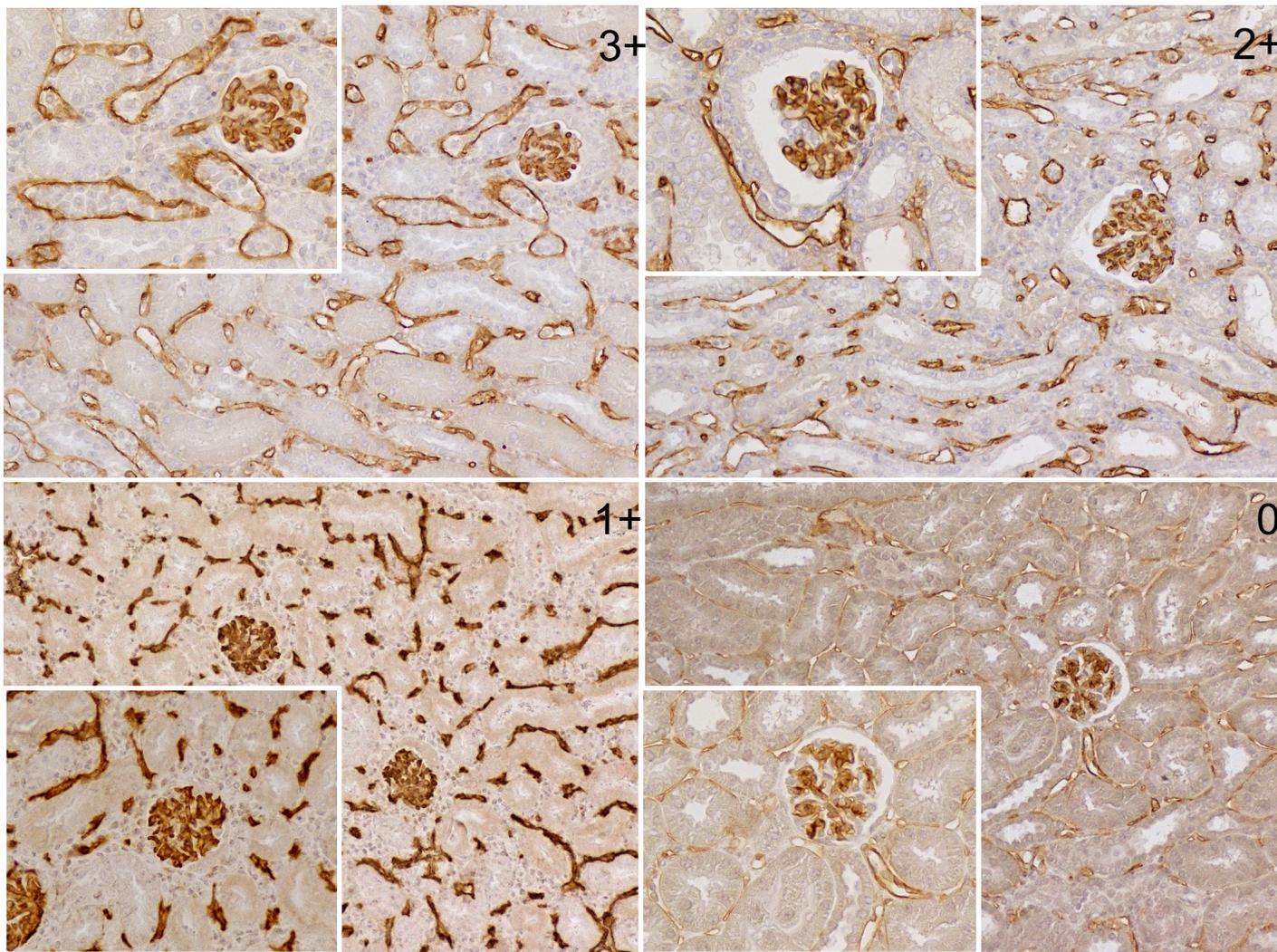


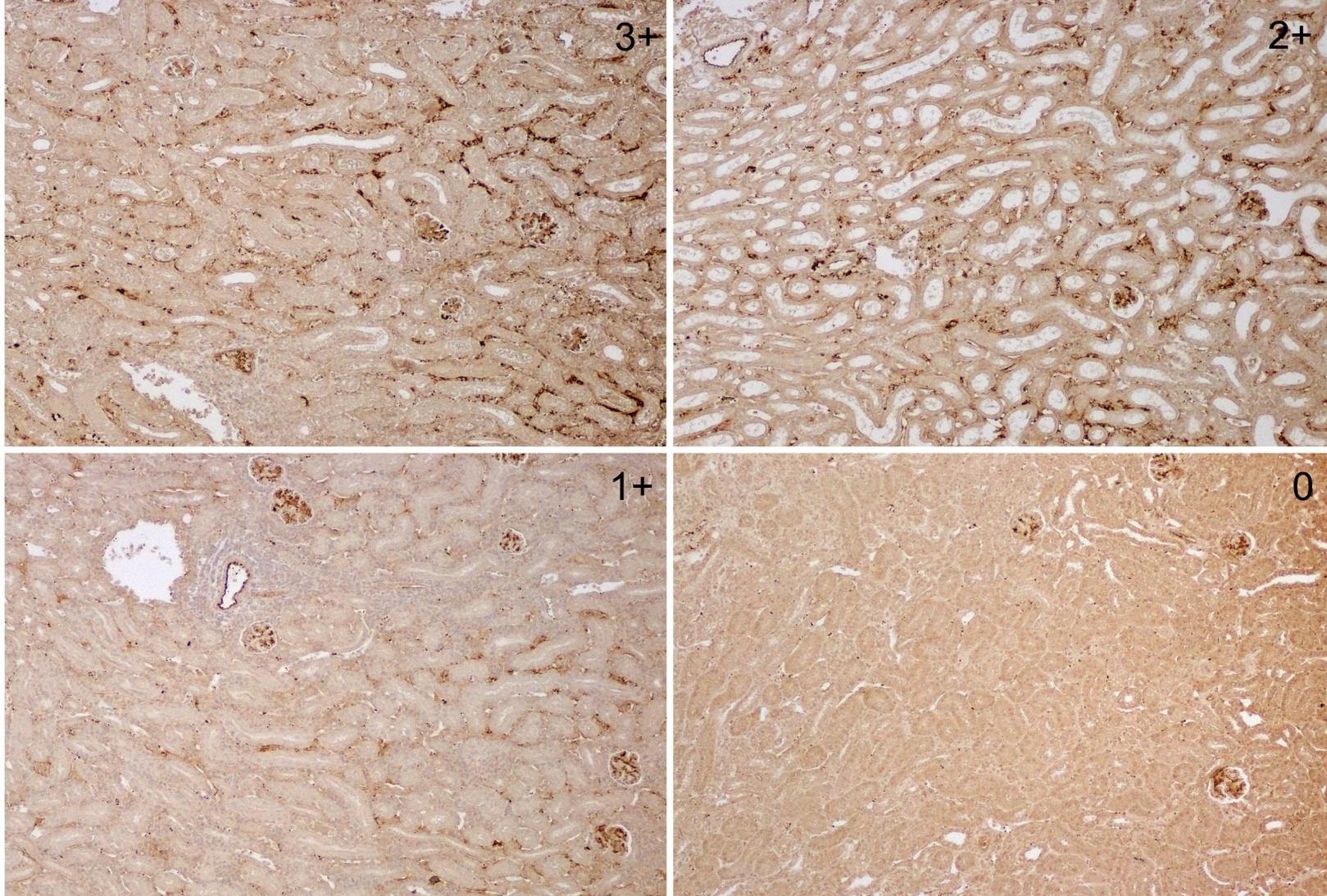
Supplementary Figure 1. Acute allograft tissue injury in recipients containing donor-sensitized memory CD4 T cells and treated with anti-IFN γ mAb. B6 recipients injected with sensitized memory CD4 T cells were treated with either anti-IFN γ neutralizing mAb GK1.5 (0.5 mg i.p. every other day starting at the time of transplantation). **A.** The expression of IFN γ -dependent CXCL9 and control β -actin mRNA was evaluated in kidney allografts at the time of rejection by real-time RT-PCR. **B.** Renal allografts were harvested at the time of rejection and analyzed by H&E staining and immunoperoxidase stains for Mac-2, CD3, C4d and von Willebrand factor (vWf). Original magnification 400x for vWf staining and 200x for all other stainings. The photographs are representative of 6 recipients per group.



Supplementary Figure 2. Acute allograft tissue injury in recipients containing donor-sensitized memory CD4 T cells and treated with anti-CD4 and anti-CD8 depleting mAb. A. Spleen cells were isolated at the time of graft rejection and the efficacy of T cell depletion was assessed by flow cytometry compared to naïve non-depleted B6 mice. The dot plots are representative of 5 recipients per group. **B.** Renal allografts were harvested at the time of rejection and analyzed by H&E staining and immunoperoxidase stains for Mac-2, CD3, C4d and von Willebrand factor (vWf). Original magnification 400x for vWf staining and 200x for all other stainings.



Supplementary Figure 3. Examples of scoring for peritubular capillary changes associated with C4d staining. Dilatation of the majority of peritubular capillaries (3+). Monocyte margination is evident in inset. Dilatation of 25-50% of the peritubular capillaries (2+). Endothelial cell swelling evident in inset. Diffuse strong C4d staining with limited dilatation of peritubular capillaries (1+). Perivascular infiltrates evident in inset. Insignificant C4d staining with little or no capillary changes (0). Orinal magnification of main images 200x; insets 400x.



Supplementary Figure 4. Examples of scoring for von Willebrand staining. Diffusely confluent platelet aggregates in the cortical peritubular capillaries (3+). Focal large and small platelet aggregates in peritubular capillaries (2+). Focal small platelet aggregates in peritubular capillaries (1+). No appreciable aggregates (0+).