Comparison of arteriogenesis-associated macrophage recruitment in WT and RG55-/− mice

Seven days after ligation of the femoral artery, the number of macrophages (F4/80-positive cells, arrows, green fluorescence) in the media/adventitia of collateral arterioles was determined. While arteriogenic remodeling in wild type (WT) is associated with a significant increase in macrophage infiltration (**)p<0.01 vs. control WT, n=5), decreased numbers of collateral-associated macrophages were detected in RG55-deficient (RG55KO; ###p<0.01 vs. WT ligation) mice (scale bar: 40 µm).