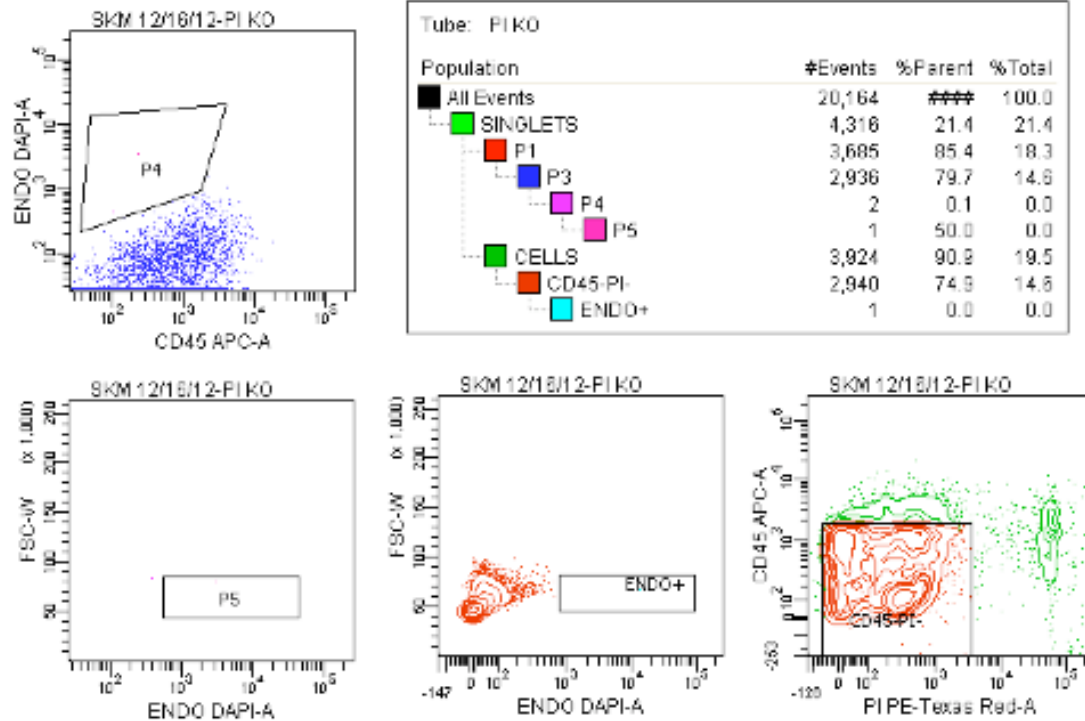
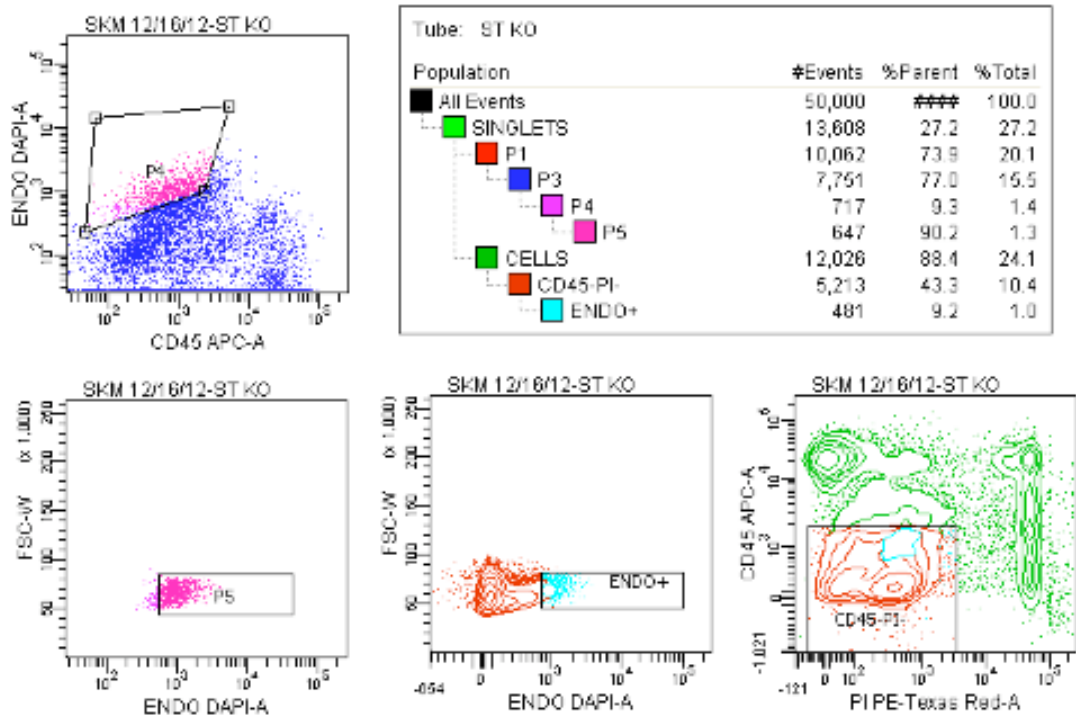


A) Skeletal muscle

PI only skeletal muscle sample

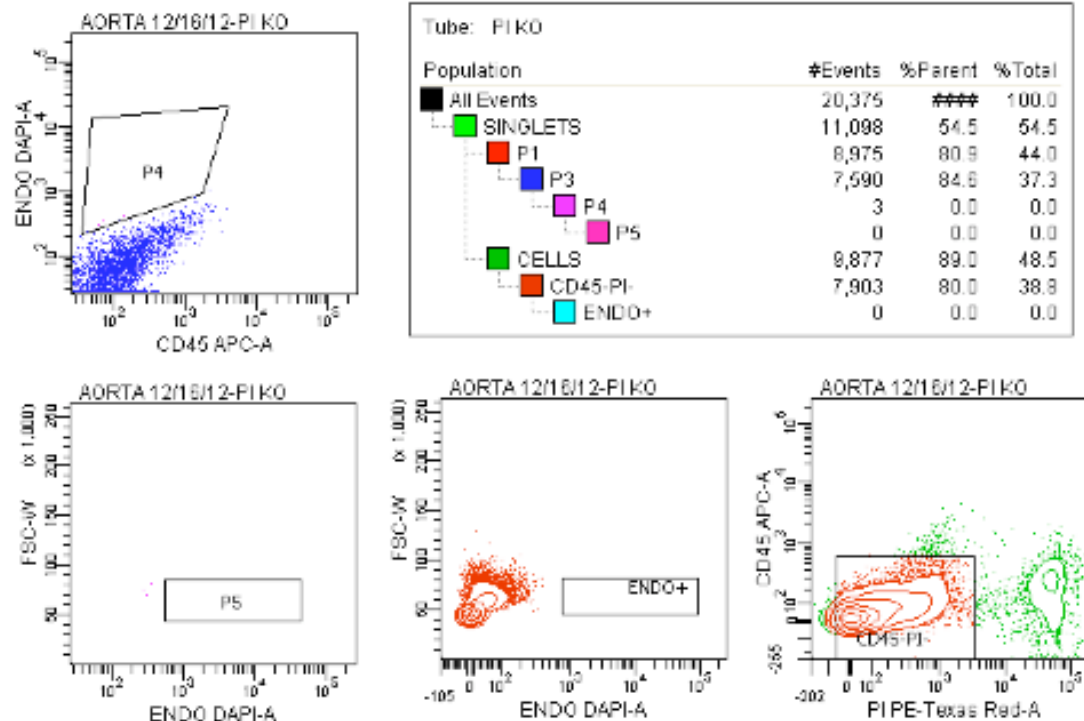


Skeletal muscle sample stained for Endoglin, CD45, & PI

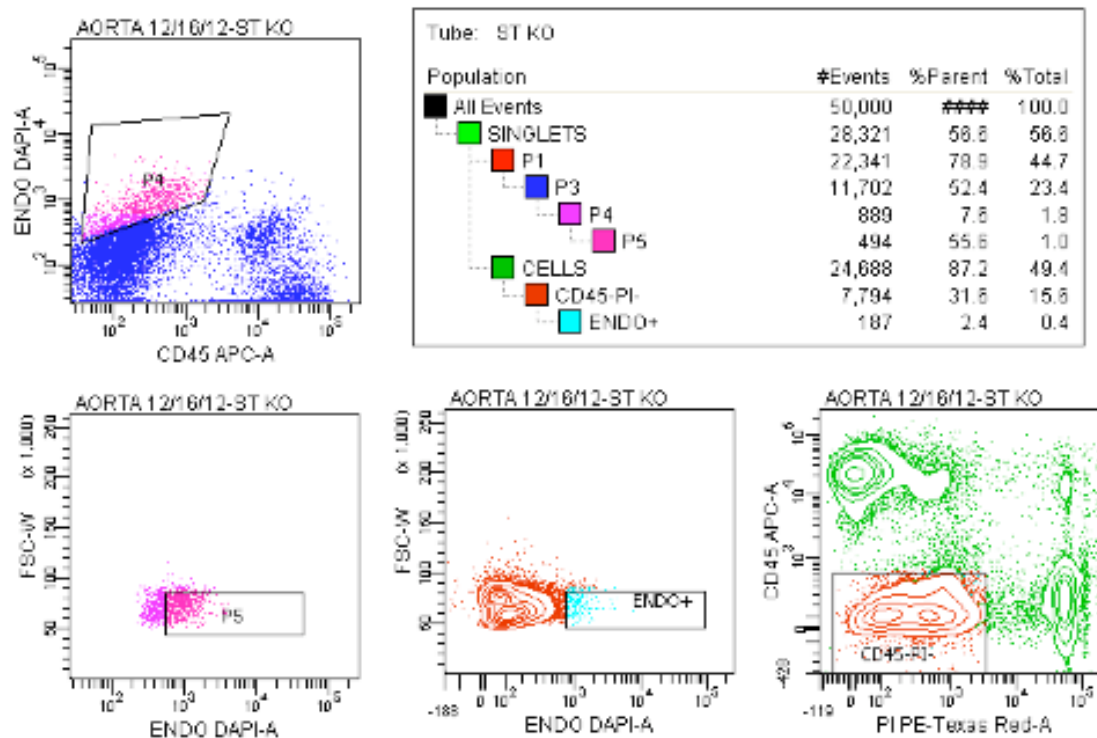


B) Aorta

PI only aorta sample



Aorta sample stained for Endoglin, CD45, & PI



Additional File 4: Representative FACS profiles of the sorted endothelial population derived from the skeletal muscles and aortae of Galectin-3(-/-) and C57BL/6 mice. Collagenolytic digests of leg muscle (A) and aortae (B) of Galectin-3(-/-) and C57BL/6 mice were labeled with eFluor450-Endoglin, PE-CD45, and propidium iodide (PI) live/dead stain and sorted on a FACSaria. Endoglin, CD45, and PI signals were detected using the DAPI, APC, and PE-Texas Red channels, respectively. Dead cells that stained positive for PI and CD45+ monocytes were excluded by gating. The endoglin+ gate (bottom) was established based on unstained and PI-only negative control samples (top). Live, Endoglin+/CD45- cells were sorted directly into TRIzol reagent for subsequent gene expression analysis. Cell suspensions stained with PI alone show 0% endoglin staining, while 2.4% and 9.2% of live, CD45- cells are endoglin+ endothelial cells in the aortic and skeletal muscle digests, respectively.