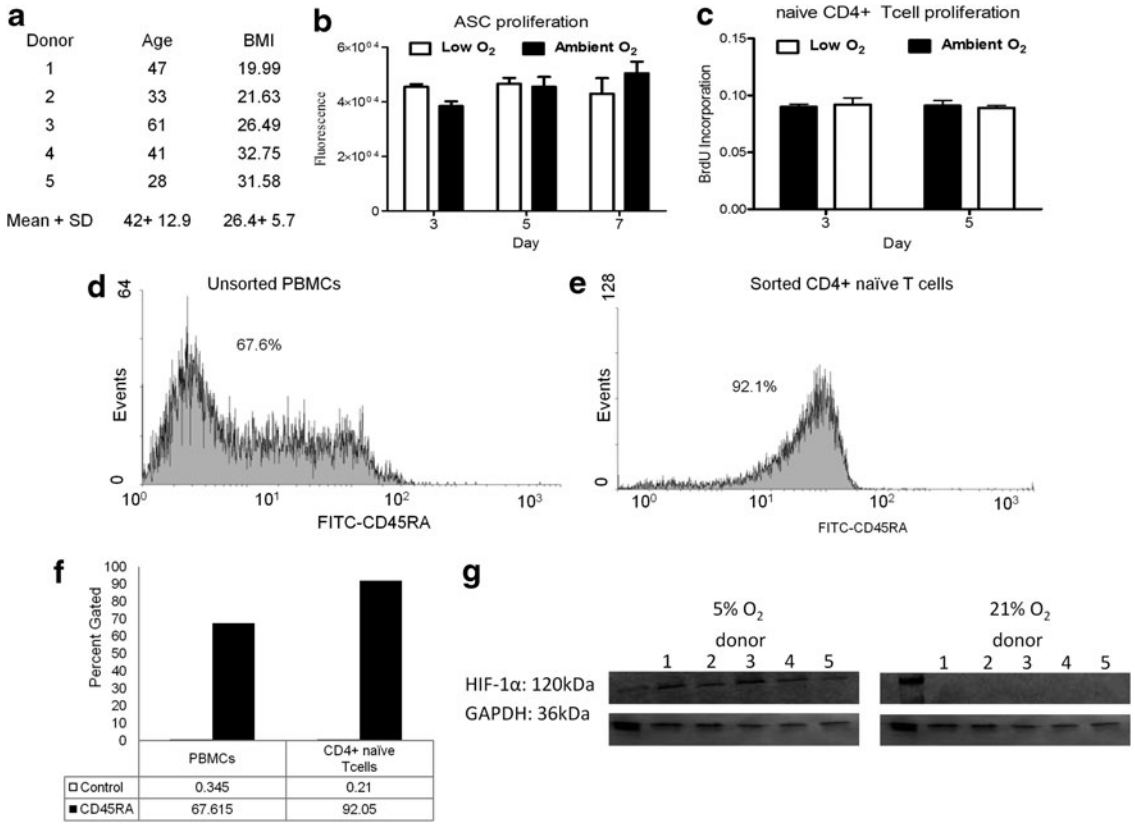
Supplementary Data



SUPPLEMENTARY FIG. S1. Adipose tissue stromal/stem cells (ASCs) and naive T-cell proliferation and cytokine secretions under low O_2 culture conditions. **(a)** Donor list for ASCs used in the present study. All ASCs were isolated from subcutaneous adipose lipoaspirates from healthy Caucasian female donors. ASCs were used at passages 2 or 3 for the study. **(b)** ASCs were treated with 400 U/mL interferon-gamma (IFN-γ) and cultured under ambient (21% O_2) conditions or low (5% O_2) culture conditions for 3, 5, and 7 days. **(c)** T cells isolated from peripheral blood mononuclear cells (PBMCs) were similarly cultured under ambient O_2 or low O_2 culture conditions for 3 or 5 days. Cell proliferation was assessed by the CyQUANT assay. **(d, e)** Naive T cells ($CD4^+$, $CD45RA^+$) were isolated by negative selection from PBMCs using the Miltenyi Biotec naive $CD4^+$ T-cell kit. Cells were incubated with antibodies for fluorescein isothiocyanate (FITC)-CD4 and phycoerythrin (PE)-CD45RA and subjected to flow cytometry to determine percent purity of selection. **(f)** Quantification of isolated naive T-cell percent purity following flow cytometry. **(g)** Stabilization of hypoxia-inducible factor-1 alpha (HIF-1α) protein in ASCs following 3-day exposure to 5% O_2. Three independent sets of experiments were performed for each treatment. Data are reported as mean (μ) ± standard error (SE) of integrated density measurements using an Odyssey Li-COR scanner. Significance was set at $P < 0.05$.