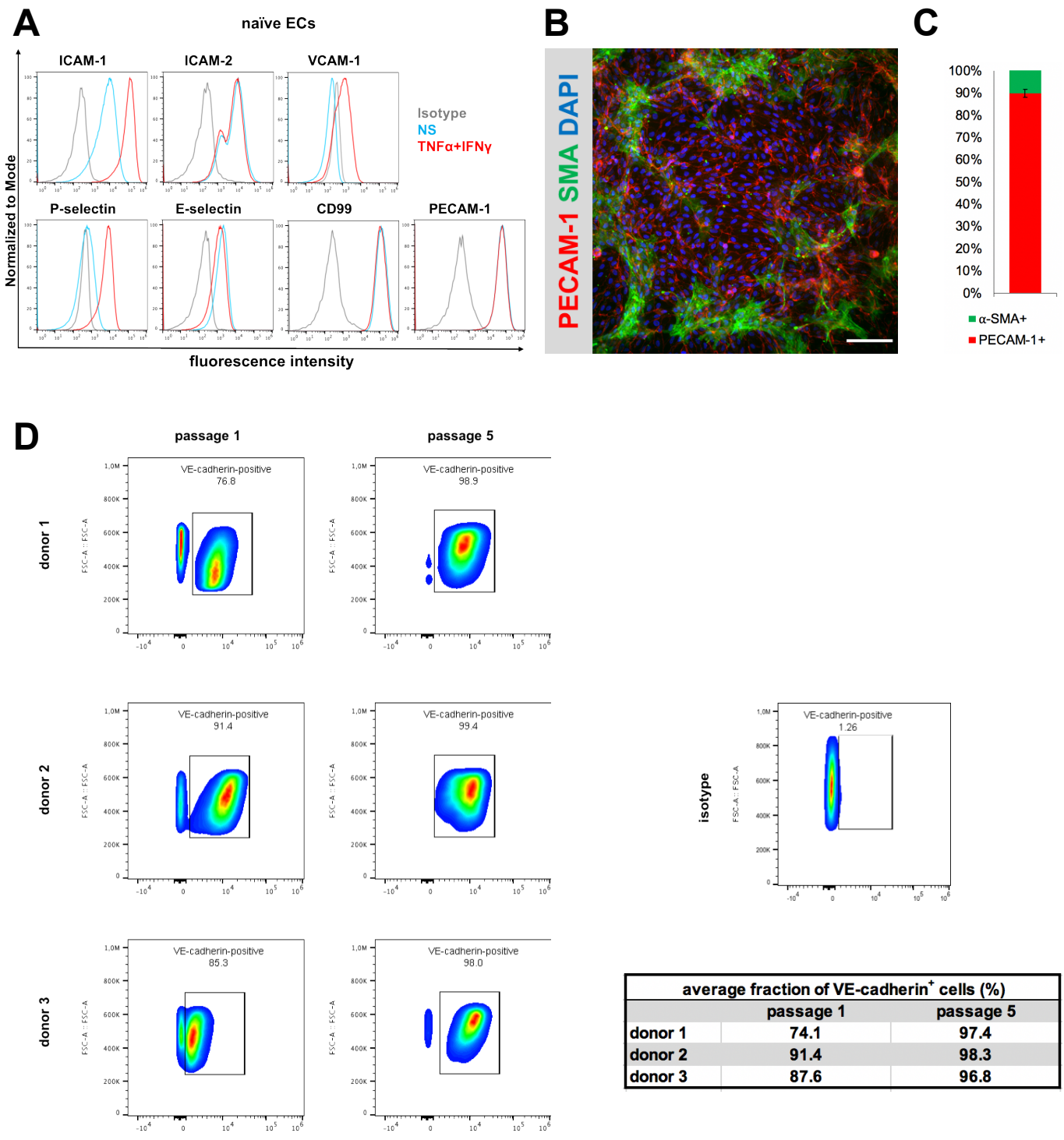
Supplementary Figure 2



average fraction of VE-cadherin^{+} cells (%)		
	passage 1	passage 5
donor 1	74.1	97.4
donor 2	91.4	98.3
donor 3	87.6	96.8

Supplementary Figure 2. Adhesion molecule phenotype and morphology of naïve ECs from additional hiPSC clone, and purity of VE-cadherin+ cells at passage 1 and passage 5.
(A) Cell surface staining of naïve ECs for the adhesion molecules ICAM-1, ICAM-2, VCAM-1, P-selectin, E-selectin, CD99, and PECAM-1 was analyzed by flow cytometry. Isotype control, non-stimulated (NS) and 16 h pro-inflammatory cytokine-stimulated condition (1 ng/mL TNF-α + 20 IU/mL IFN-γ) are represented respectively in grey, blue, and red lines in histogram overlays. Representative data from donor 1 is shown. (B) Immunofluorescence staining of naïve ECs grown on 0.4 μm pore Transwell filter for PECAM-1 (red) and smooth muscle actin (green). Nuclei were stained with DAPI (blue). Scale bar = 100 μm. (C) Quantification of PECAM-1+ and α-smooth muscle actin+ cells in immunofluorescence staining images. Bar shows mean ± SD of 4 differentiations using IMR90-4 line. (D) Staining of ECs for the adherens junction molecule VE-cadherin was analyzed by flow cytometry. Isotype control, passage 1 and passage 5 ECs are reported. Representative data are shown. Three different hiPSC clones derived from 3 individuals (donor 1, 2, 3) were evaluated in this assay.