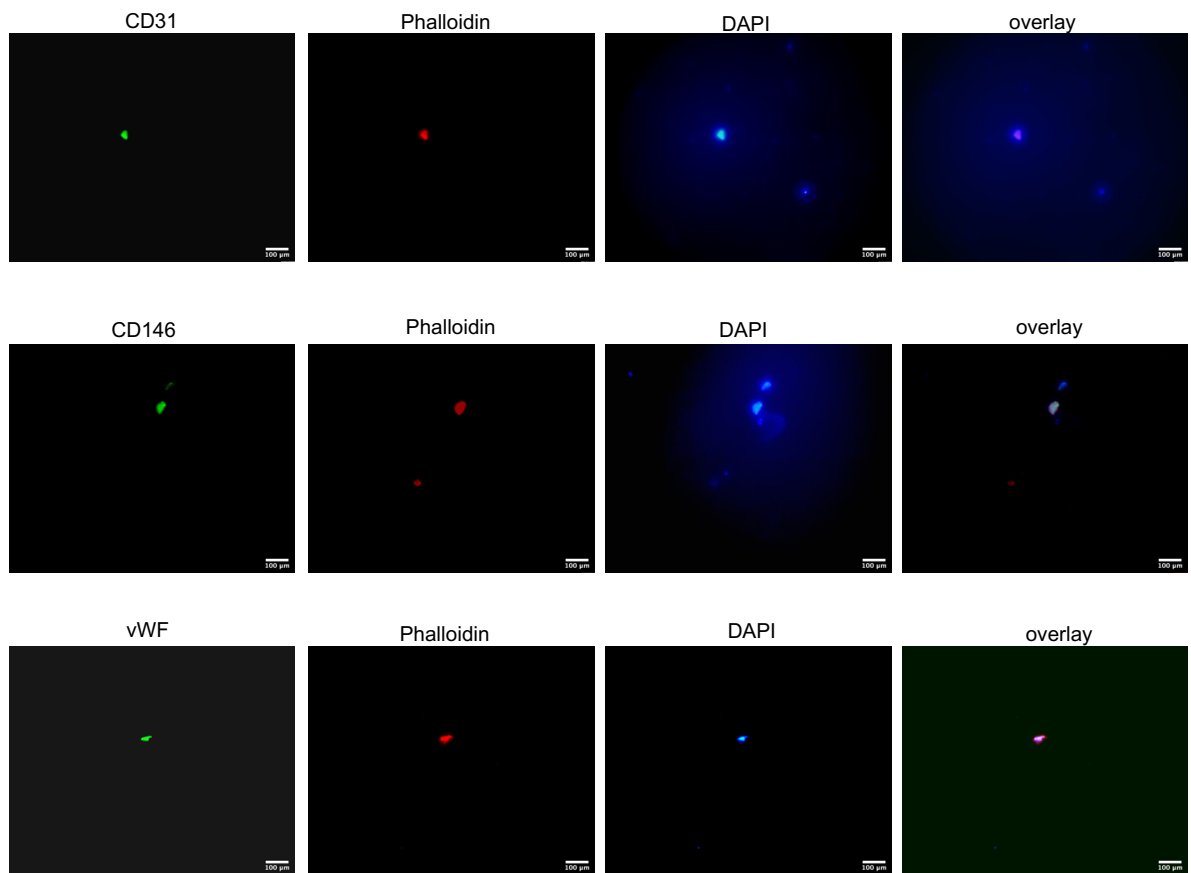


Supplementary information



Supplemental Figure 1: Immunofluorescence staining of sorted circulating endothelial cells from young donors plated on fibronectin and stained for either CD31, CD146 or vWF. Cells can be stained positive for CD31, CD146 and vWF (green). Co-staining's are performed for Phalloidin (red) and DAPI (blue) to visualize cell area and cell nuclei.

Table S 1 Primer Sequences

Gene		Sequence
p16INK4A	for	GGGGGCACCAGAGGCAGT
	rev	GGTTGTGGCGGGGGCAGTT
p14ARF	for	CCCTCGTGCTGATGCTACTG
	rev	CATCATGACCTGGTCTTCTAGGAA
CD44	for	TGGCACCCGCTATGTCTGAG
	rev	GTAGCAGGGATTCTGTCTG
TNF α	for	GGCGTGGAGCTGAGAGATA
	rev	CAGCCTTGGCCCTTGAAGA
IL1 β	for	AAAGCTTGGTGTGTCTGGTC
	rev	GGACATGGAGAACACCACTTG
IL-6	for	GGCACTGGCAGAAAACAACC
	rev	GCAAGTCTCCTCATTGAATCC
GAPDH	for	TGCACCACCAACTGCTTAGC
	rev	GGCATGGACTGTGGTCATGAG
FBX07	for	GCTCGCACCTGAGGCAGTCC
	rev	GTCTCTTCATCTCCAGTGAGGGG

Table S 2 Antibodies used for Immunofluorescence staining

Antibody	Company	Order number	Dilution
Phalloidin-TRITC	Sigma	P1951	1:100
CD31	Cell Signaling	3528S	1:100
HMGB-1	Santa Cruz	sc-135809	1:1000
γ H2Ax	Cell Signaling	9718	1:200
CD146	abcam	75769	1:250
vWF	abcam	6994	1:400

Table S 3 Antibodies used for FACS

Antibody	Company	Order number	Dilution
CD45	Miltenyi Biotec	P1951	1:50
CD11b	Miltenyi Biotec	3528S	1:50
CD31	Miltenyi Biotec	sc-135809	1:50
CD146	Miltenyi Biotec	10883-1-AP	1:50
CD34	Miltenyi Biotec	9718	1:50