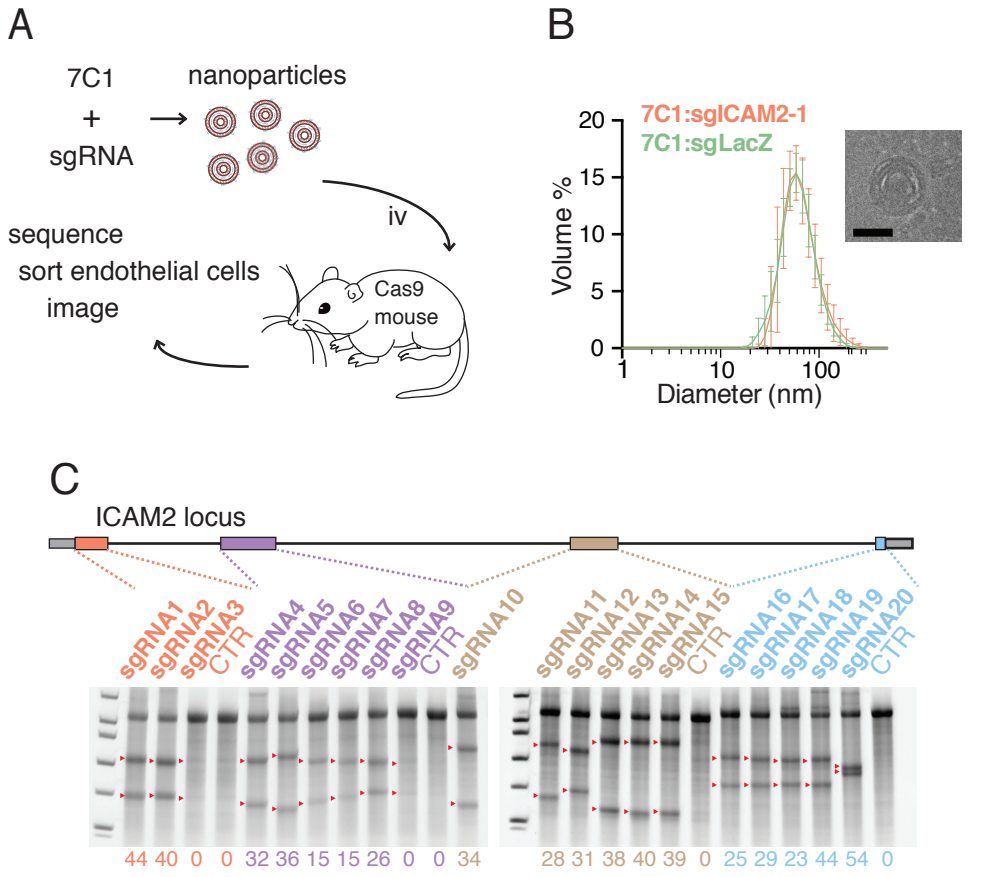
A
7C1
+
sgRNA
nanoparticles
iv
sequence
sort endothelial cells
image
Cas9
mouse
B
7C1:sgICAM2-1
7C1:sgLacZ
Volume %
Diameter (nm)
C
ICAM2 locus
sgRNA1 sgRNA2 sgRNA3 CTR sgRNA4 sgRNA5 sgRNA6 sgRNA7 sgRNA8 sgRNA9 CTR sgRNA10
sgRNA11 sgRNA12 sgRNA13 sgRNA14 sgRNA15 CTR sgRNA16 sgRNA17 sgRNA18 sgRNA19 sgRNA20 CTR
44 40 0 0 32 36 15 15 26 0 0 34
28 31 38 40 39 0 25 29 23 44 54 0
D
ICAM2 locus
target-1
PAM
target-20
PAM
5' GCTTACCTGGGCTGTAGAACAGGC 3'
5' AAGACGGACAGGCACCTACGGGGT 3'
r1 GCTTACCTGGGCT----AACAGGC
r2 GCTTACCTGGGCTGTA--ACAGGC
r3 GCTTACCTGGGCTGTAGAACAGGC
r4 GCTTACCTGGGCTGTAGAACAGGC
r1 AAGACGGAC--------ACGGGGT
r2 AAGACGGACAGGC----ACGGGGT
r3 AAGACGGACAGGCACCTACGGGGT
r4 AAGACGGACAGGCACCTACGGGGT

Figure S6