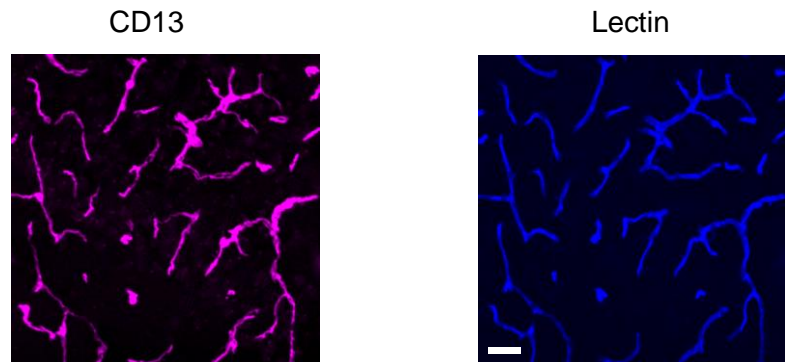
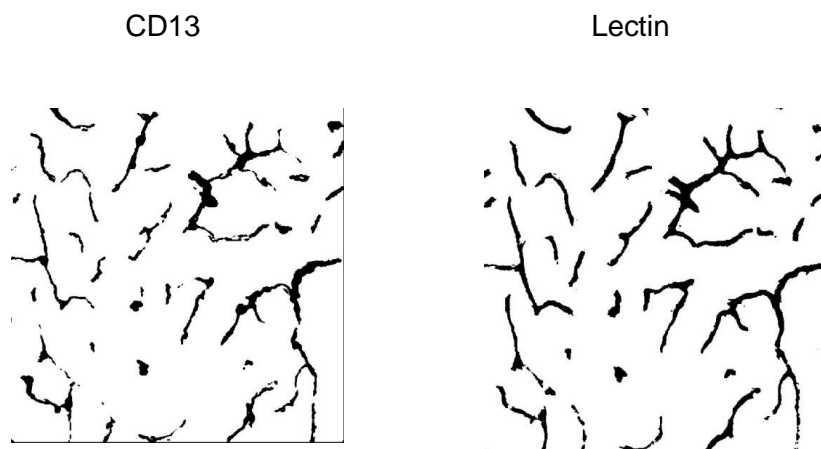


### S1 Fig

**Step 1.** Images are open in Image J. Example is taken from a control mouse. Bar = 40  $\mu\text{m}$ .



**Step 2.** Pseudo-colored 8-bit images for CD13 and lectin signals were thresholded using Otsu's thresholding method in ImageJ that minimizes the intra-class variance of the thresholded black and white pixels.



**Step 3.** The integrated density for each thresholded image was calculated and subsequently converted to a pixel-based area by dividing by 255. For 8-bit images 255 is the maximum pixel intensity. The ratio of CD13-positive area over lectin-positive area was then calculated as shown in Table below.

	Raw Integrated Signal Density	Area covered by fluorescent signals (pixel-based)	% CD13 signal /Lectin signal
CD13	7226029	$7226029 / 255 = 94457$	$94457 / 116500 = 81\%$
Lectin	8912302	$8912302 / 255 = 116500$	