**![A picture containing text, antenna

Description automatically generated]()![Chart, histogram

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**Figure 8- Figure Supplement 1. scRNAseq analysis of *Klk8* and *Klk11* from the PCL mouse model.** Violin plots representing single cell expression of (a) *Klk8* and (b) *Klk11* gene transcripts in 8 endothelial cell clusters (E1-E8), smooth muscle cells (SMCs), fibroblasts (Fibro), 4 monocytes/macrophages clusters (Mo1-4), dendritic cells (DC), and T cells (T) in the mouse carotid arteries following 2 days or 2 weeks of the PCL surgery as we recently reported38. The published scRNAseq data38 were re-analyzed here for *Klk8* and *Klk11* genes. E1–E4 clusters represent ECs exposed to *s-flow* conditions in the RCA. E5 and E7 clusters represent ECs exposed to acute (2 days) *d-flow* in the LCA*.* E6 and E8 clusters represent ECs exposed to chronic (2 weeks) *d-flow* in the LCA*.*

*Klk8*

*Klk11*

*Pecam1*

**a**

**b**