



Supplementary information, Figure S5 *Kit*⁺ cells contribute to CD11b⁺ and FSP1⁺ cells. **(A,B)** Immunostaining of RFP, CD11b and PECAM on *Kit-CreER;Rosa26-RFP* heart sections after MI. Z-stack confocal images showing signals on both XZ and YZ axes (dotted line) with merged and split channels for fluorescence. Arrowheads in 1 and 2 are RFP+CD11b⁺ cells. **(C,D)** Immunostaining of RFP, FSP1 and VE-CAD on *Kit-CreER;Rosa26-RFP* heart sections after MI. Z-stack confocal images showing signals on both XZ and YZ axes (dotted line) with merged and split channels for fluorescence. Arrowheads in 1 and 2 are RFP+FSP1⁺ cells. **(E,F)** Quantification of number of CD11b⁺+RFP⁺ or FSP1⁺+RFP⁺ cells in sham and MI hearts. Images of 40x field in the infarcted regions were taken for quantification. **P* < 0.05; *n* = 4 for each group. Scale bars, 100 μm.