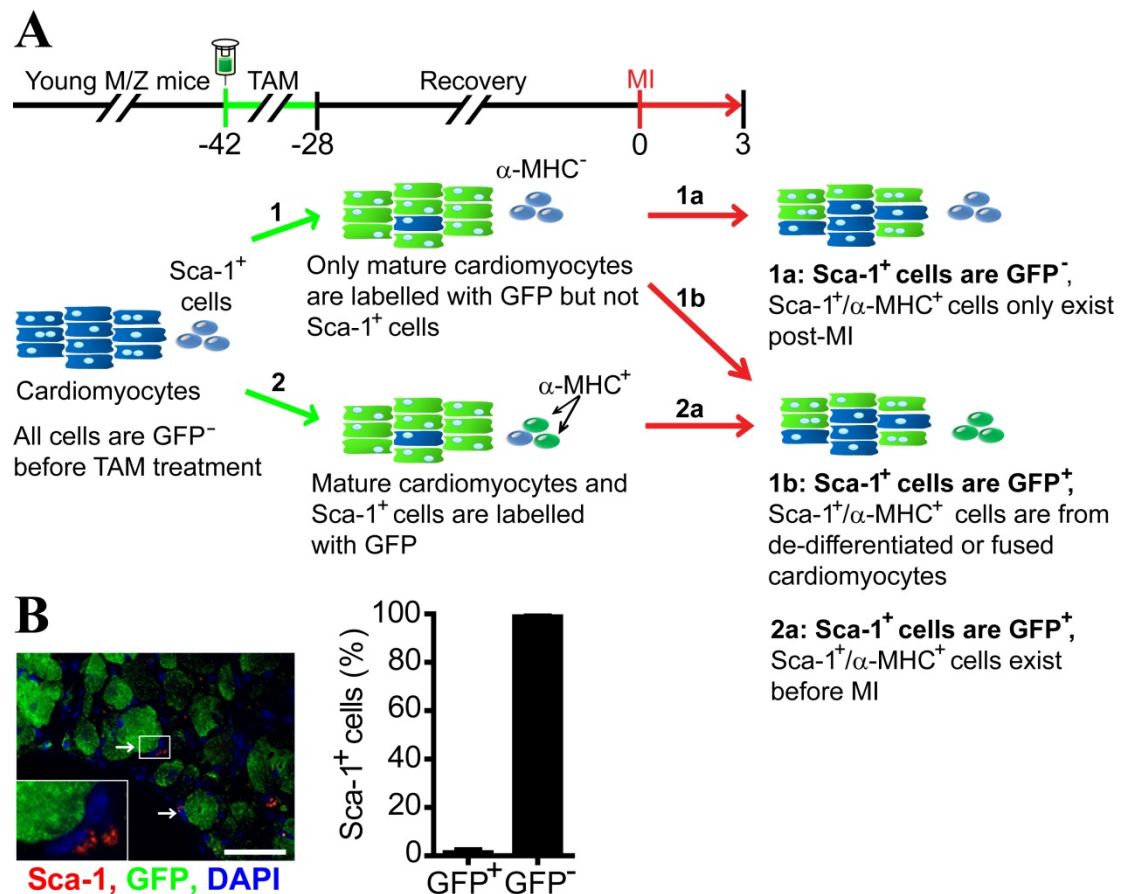




Supporting Information Fig 8. Sca-1⁺/α-MHC⁺ cells would not be detected before tamoxifen labeling and they do not arise from cardiomyocyte de-differentiation or fusion. .

- A.** Schematic diagram depicting the experiment that aims to examine if the Sca-1⁺/α-MHC⁺ cells exist before surgery or they arise from de-differentiated or fused cardiomyocytes after injury. Following 14 days of tamoxifen (TAM) labeling, the animals were allowed to recover for 1 month prior to myocardial infarction (MI) surgery. On day 3 post-MI, the organ was collected for immunostaining analysis.
- B.** Representative image of the Sca-1⁺ cells and the original magnifications are as indicated. The Sca-1⁺ cells with or without GFP⁺ signal were quantified. Scale bar, 50 μm. n=3. Data are presented as the mean ± s.e.m.