

Fig. S1

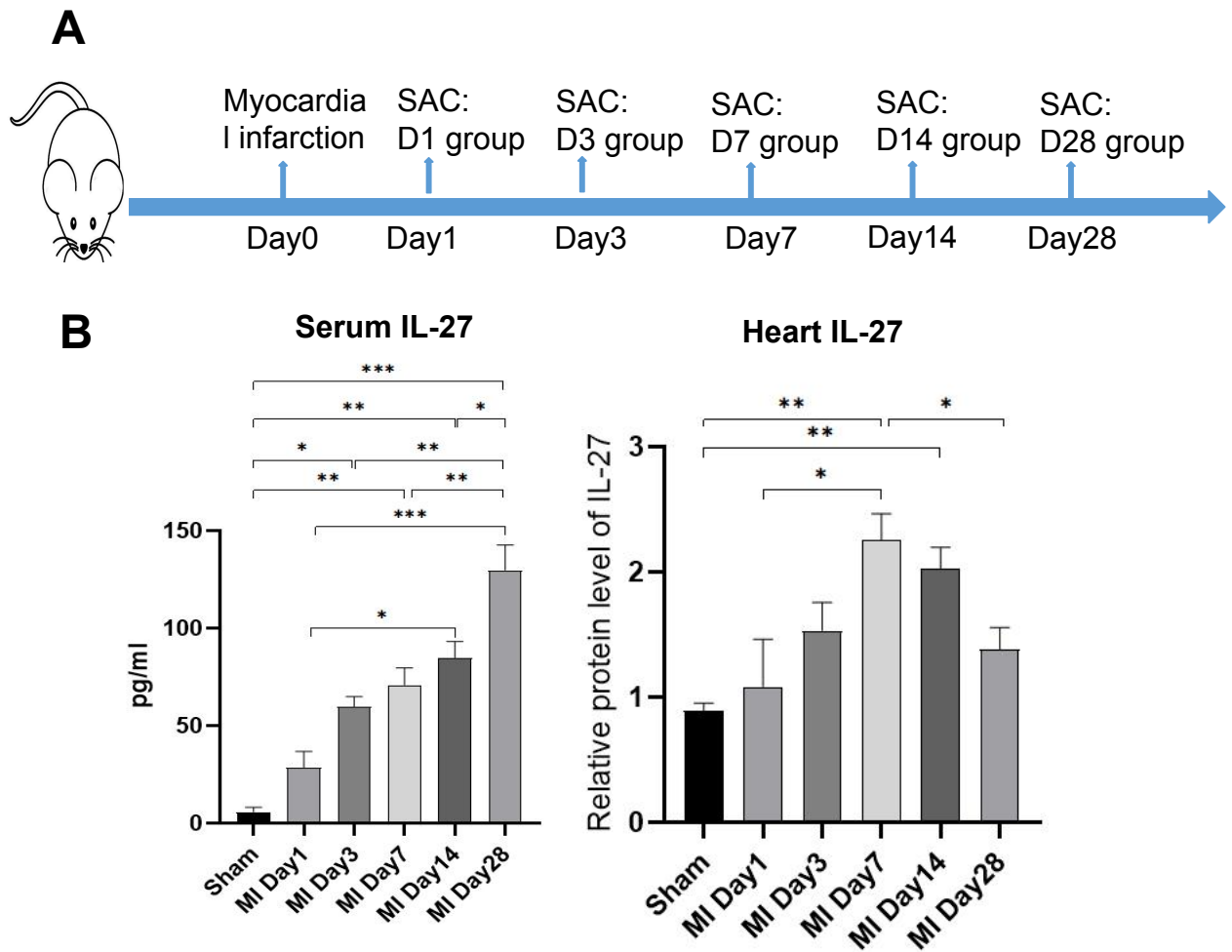


Fig. S1 Verify the expression of IL-27 after MI. **a** The main time shaft of animal experiments was presented. **b** ELISA assays of IL-27 protein expression in serum and heart from C57BL/6 WT mice at various time points after MI.

Fig. S2

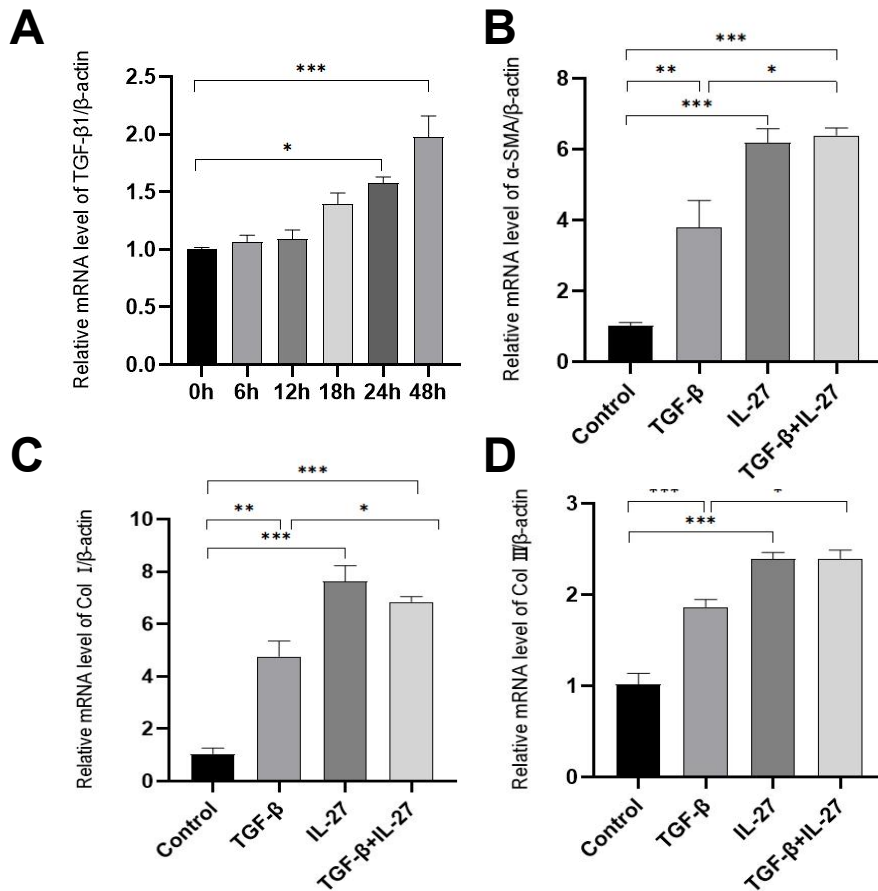


Fig. S2 Effect of IL-27 on the differentiation of CFs to myofibroblasts and ECM production induced by TGF-β. **a** The mRNA expression of TGF-β in CFs treated with TGF-β (10 ng/mL) for 0,6,12,18,24h. **b** The mRNA expression of α-SMA in CFs in different groups. **c** Col I mRNA expression in CFs in different groups. **d** Col III mRNA expression in CFs in different groups. All data are shown as the mean $\pm$ SEM from at least three experiments. *P < 0.05; **P < 0.01; ***P < 0.001 vs. control.

Table.

Table S1 Primary antibodies used in immunofluorescence

Primary antibodies	Dilution		
anti-CD45	1:100	#70257	CST
anti-F4/80	1:100	#70076	CST
anti-IL-27	1:500	PRS3797	Sigma
anti-Ki67	1:200	ab15580	Abcam

Table S2 Primers sequences used in qRT-PCR

Gene Name	Forward (5'-3')	Reverse (5'-3')
β -actin	GTGACGTTGACATCCGTAAAGA	GTAACAGTCCGCCTAGAAGCAC
p28	CTGTTGCTGCTACCCTTGCTT	CACTCCTGGCAATCGAGATTC
EBI3	CTTACAGGCTCGGTGTGGC	GTGACATTTAGCATGTAGGGCA
gp130	CTTGCATTGTGAATGAGGGGA	TGGGCATGTAGCTGACCATAC
WSX-1	CTCCTGGGAACCTTTGGGC	CGTCCCTTTTGTGTCCCCC
TGF- β	CAACAATTCCTGGCGTTACCTTGG	GAAAGCCCTGTATTCCGTCTCCTT
α -SMA	GTCCCAGACATCAGGGAGTAA	TCGGATACTTCAGCGTCAGGA
Col I	GCTCCTCTTAGGGGCCACT	CCACGTCTCACCATTGGGG
Col III	CTGCGGCAGATGGTCTACTTC	ATAGTGGAGGGTGCTCTGTTG