Supplementary Materials: Cardiac Stem Cell Secretome Protects Cardiomyocytes from Hypoxic Injury Partly via Monocyte Chemotactic Protein-1-Dependent Mechanism

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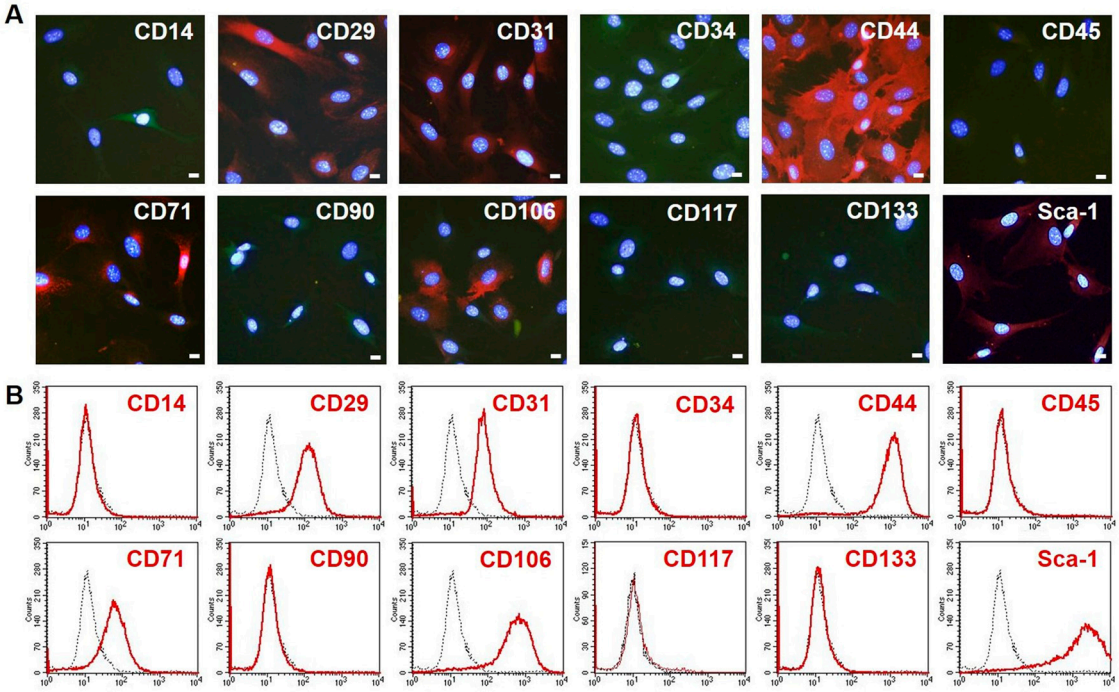

Figure S1. Phenotypic characterization of Sca-1+/CD31+ CSCs^{hTERT}. Sca-1+/CD31+ CSCs^{hTERT} were analyzed by immunostaining (**A**) and flow cytometry (**B**) with different cell surface antibodies. Scale bars = 20 μm.

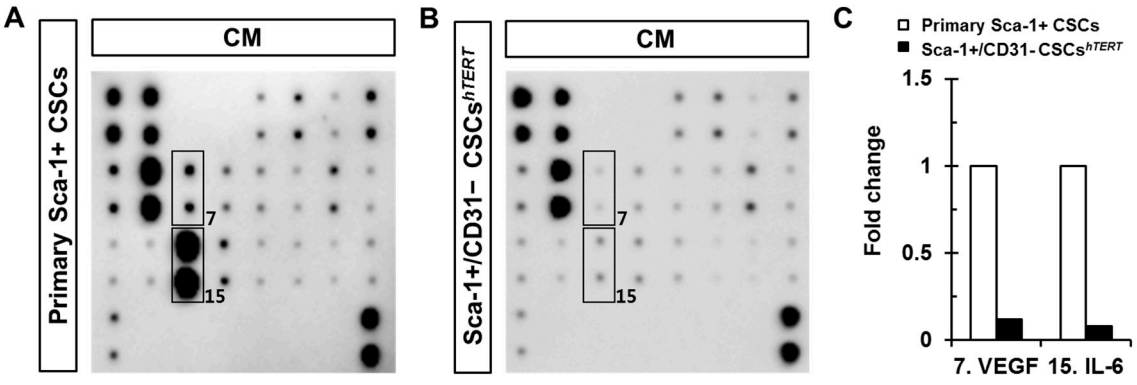

Figure S2. Comparison of paracrine factors secreted from primary Sca-1+ CSCs and Sca-1+/CD31− CSCs^{hTERT}. (**A**) CMs secreted from primary Sca-1+ CSCs and Sca-1+/CD31− CSCs^{hTERT} were subjected to a mouse cytokine antibody array detecting 21 cytokines in duplicate. Solid lined boxes indicate differentially secreted paracrine factors, VEGF (marked by number 7) and IL-6 (marked by number 15) between primary Sca-1+ CSCs (**A**) and Sca-1+/CD31− CSCs^{hTERT} (**B**); (**C**) VEGF and IL-6 secreted from primary Sca-1+ CSCs and Sca-1+/CD31− CSCs^{hTERT} were subjected to densitometry and are presented as fold changes for individual cytokines, taking primary Sca-1+ CSCs as a one-fold value.

Table S1. Selection of *hTERT*-immortalized Sca-1+ CSC lines by limiting dilution.

Clone Number	Cell Number					
	Day 1	**Day 5**	**Day 6**	**Day 7**	**Day 8**	**Day 12**
1	1	2	3	–	–	–
2	1	5	6	14	16	17
3	1	6	11	24	44	>200
4	1	2	1	1	–	–
5	1	2	3	8	9	–
6	1	1	1	–	–	–
7	1	1	2	4	1	–
8	1	11	19	30	51	>200
9	1	2	1	1	1	–
10	1	2	2	2	2	3
11	1	7	14	19	38	105
12	1	4	2	–	–	–
13	1	5	10	32	50	29
14	1	4	3	3	–	–
15	1	3	9	4	2	–
16	1	9	13	19	30	89
17	1	10	23	29	88	>200
18	1	6	21	15	16	–
19	1	–	–	–	–	–
20	1	3	8	10	9	7