Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Fig.S1. ESC adhesion on the gelatin-dopamine coated PDMS surfaces. (a-d) ESC adhesion on the gelatin or gelatin-dopamine coated PDMS surfaces.

Fig.S2. ESC viability on the gelatin-dopamine coated PDMS surfaces. (a-l) LIVE/DEAD staining of ESCs on the gelatin or gelatin-dopamine coated PDMS surfaces. Green color indicates live cells and red color indicates dead cells. Arrows indicate the detachment of ESCs from the gelatin coated PDMS surface.

Fig.S3. Immunostaining of pluripotent markers Nanog of the ESCs on the gelatin or gelatin-dopamine coated PDMS surfaces on day 7. (a-d): Nanog staining with red fluorescence; (e-h): DAPI staining with blue fluorescence; (i-l): merged.

Fig.S4. Immunostaining of pluripotent markers OCT4 of the ESCs on the gelatin or gelatin-dopamine coated PDMS surfaces on day 7. (a-d): OCT4 staining with red fluorescence; (e-h): DAPI staining with blue fluorescence; (i-l): merged.

Fig.S5. Immunostaining of cardiomyocytes marker cTnT of EBs on the gelatin-dopamine coated PDMS surfaces on day 14. (a-c): cTnT staining with green fluorescence; (d-f): DAPI staining with blue fluorescence; (g-i): merged.