Supporting Information

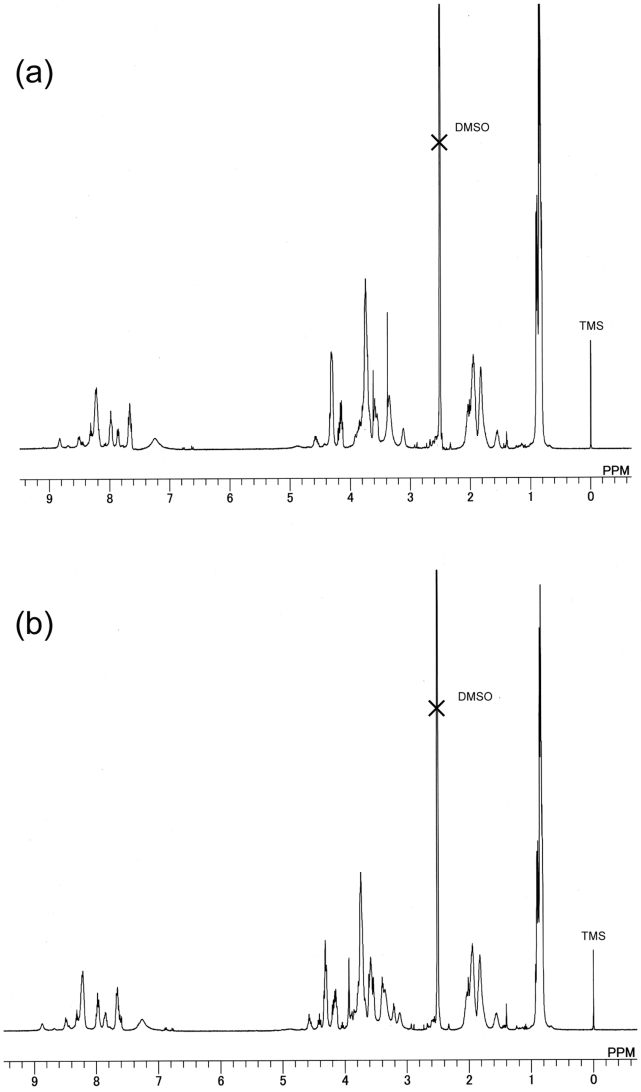

Figure S1. ^{1}H-NMR spectra of the RGDS-ELP (**a**) and RGDS-*deg*-ELP (**b**) in d_6-DMSO (TMS) at 20 °C.

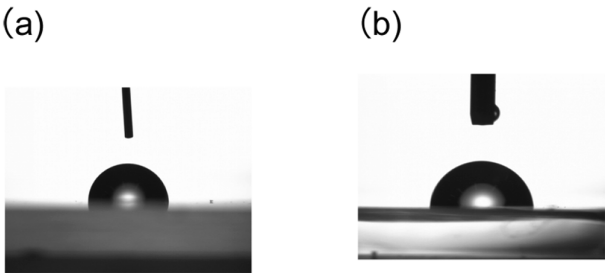

Figure S2. Water contact angles of the (**a**) RGDS-ELP-covered PSt-dish and (**b**) RGDS-*deg*-ELP-covered PSt-dish.

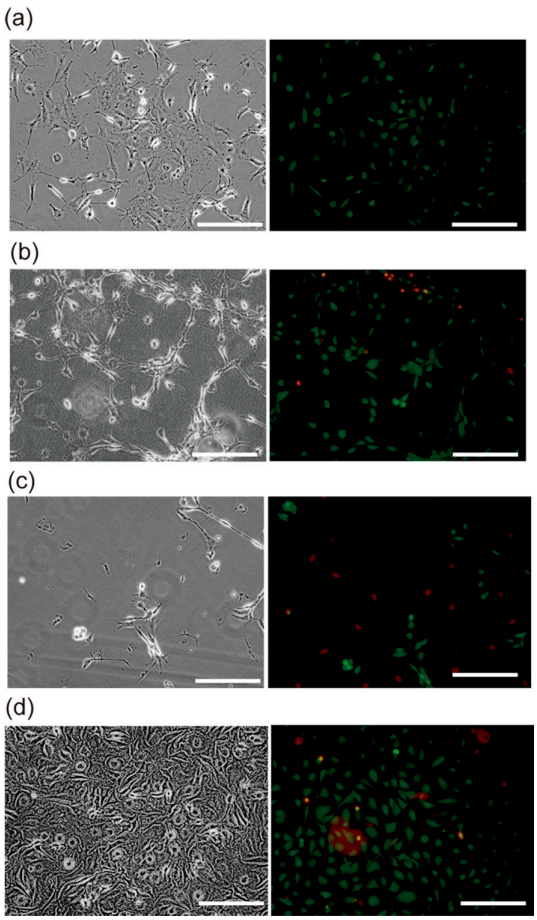

Figure S3. The live/dead cell assay of NIH/3T3 cells (1.0×10^4 cells cm^{-2}) cultured for 24 h on RGDS-*deg*-ELP-covered PSt-dish (**a**), RGDS-ELP-covered PSt-dish (**b**), bare PSt-dish (**c**) and tissue culture dish (Biocoat^{TM} Fibronectin Cellware) (**d**). Left pictures: phase-contarast images, right pictures: merged fluorescence images. Calcein stain (green) identifies live cell, while EthD stain (red) identifies dead cells. Scale bar: 200 μm.

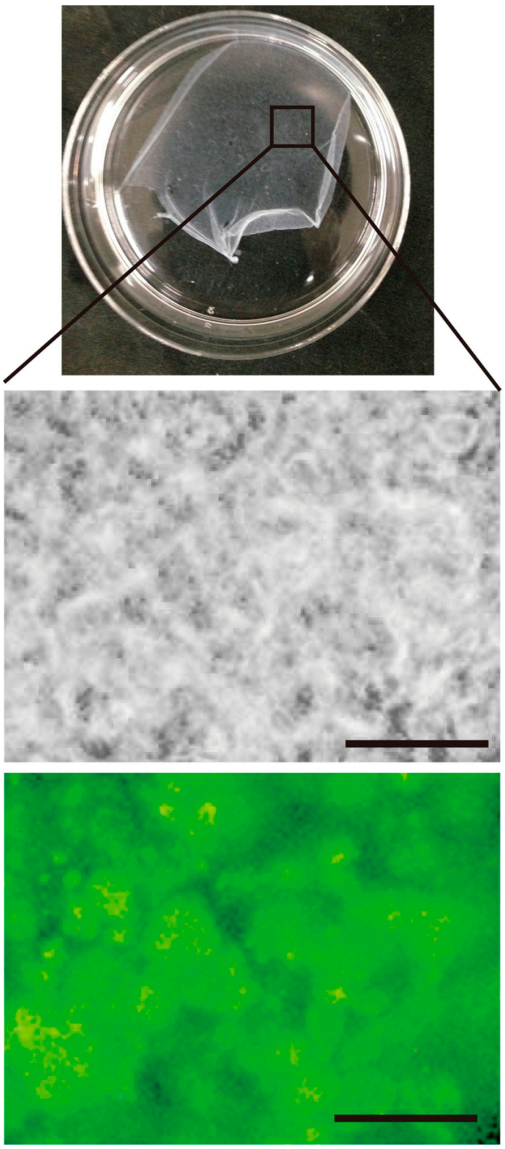

Figure S4. Phase-contrast and fluorescence images of the cell-sheet prepared on RGDS-ELP-covered PSt-dish. Calcein stain in fluorescence image (bottom) identifies live cell. Scale bar: 50 μm.