

Supplementary Materials

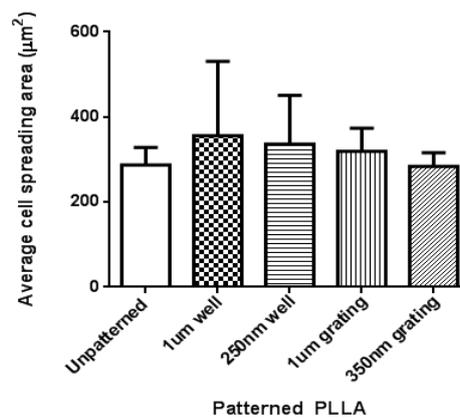


Figure S1. Cell spreading area of MCF7 on the PLLA samples.

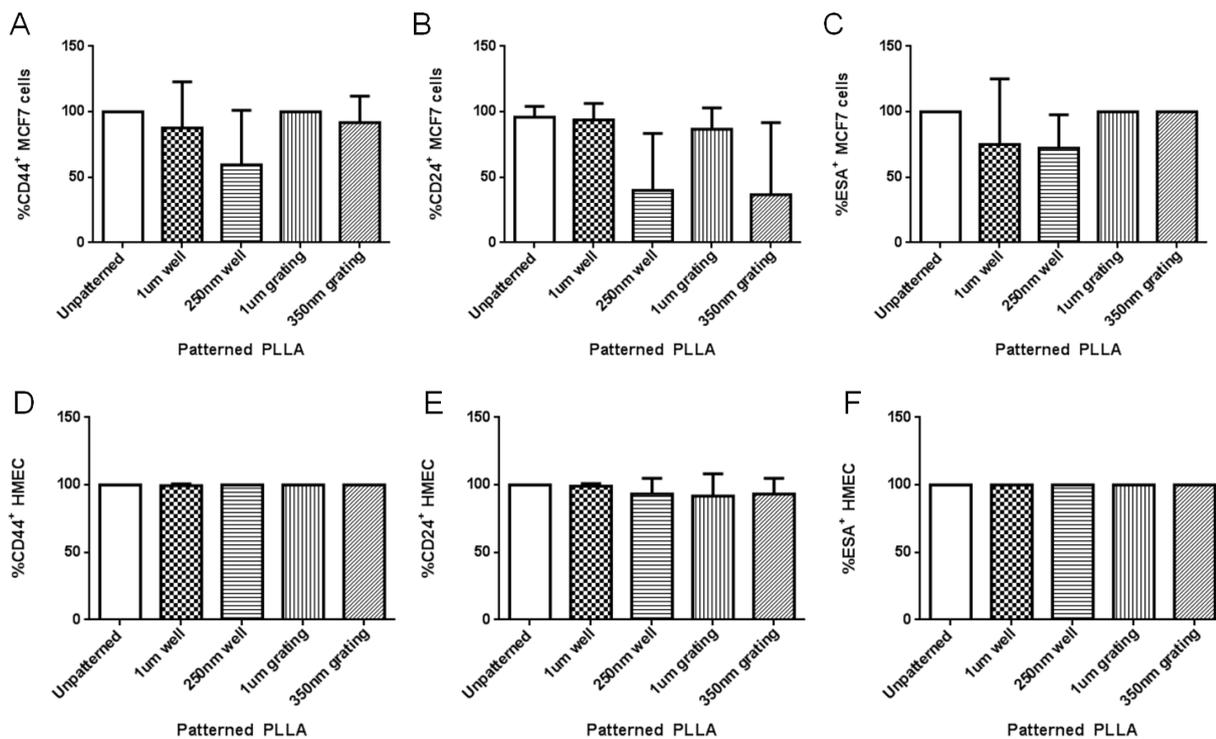


Figure S2. Percentage of MCF7 cells expressing CD44 (A), CD24 (B), and ESA (C) on different patterns. Percentage of HMECs expressing CD44 (D), CD24 (E), and ESA (F) on different patterns.

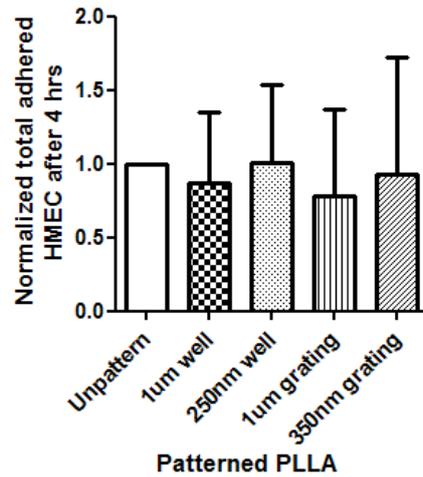


Figure S3. Number of HMEC attached 4 h after seeding on PLLA films, seeding density 16,000 cells/cm². No significant difference was observed among patterned samples. (mean ± SD, *n* = 4).

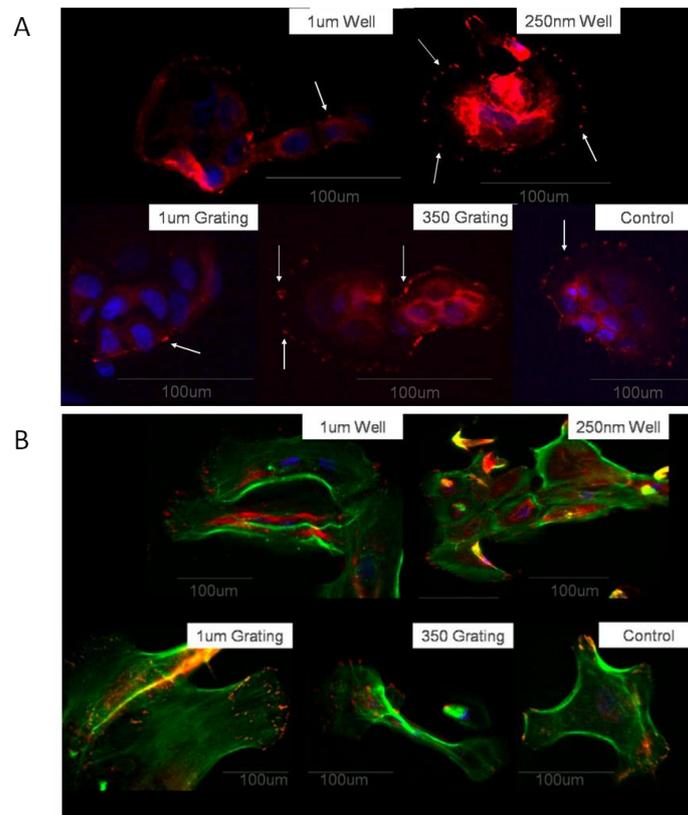


Figure S4. (A) Immunofluorescence images of vinculin (red) and DAPI (blue) in MCF7 after 24 h of culture. MCF7 seeded on the micro-sized patterns show significantly fewer focal adhesion complexes as compared to the nano-sized patterns. As compared to control, the 250 nm well and 350 gratings show similar number of focal adhesions. (B) Immunofluorescence images of F-Actin (green), vinculin (red) and DAPI (blue) in HMEC after 24 h of culture. HMEC seeded on grating are very spread out and they have pronounced elongation; the cells also aligned themselves along the directions of the grating. Bar = 100 μm.