



Figure 4. Effect of SEP-coated nanopattern on cell morphology, proliferation, and differentiation. (a) Immunofluorescence images at the multi- and single-cell levels of phalloidin (red), vinculin (green), and DAPI (blue) of osteoblasts cultured on the SEP-coated nanopattern. (b) Quantitative analysis of the cell body and nucleus (c) Correlation of the cell body and nucleus. (d) Proliferation of cells on the SEP-coated nanopattern. (e) Alkaline phosphatase staining of osteoblasts during osteogenesis induction on the SEP-coated nanopattern. (f) Mineralization staining of osteoblasts by osteogenesis on the SEP-coated nanopattern.