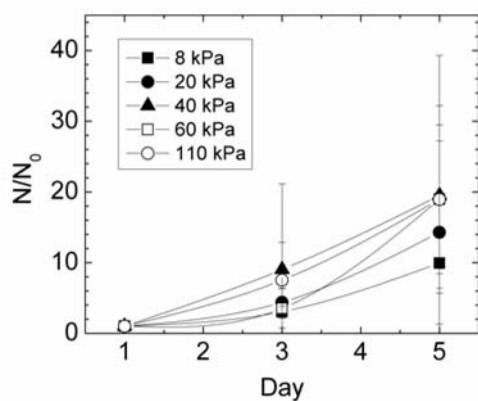
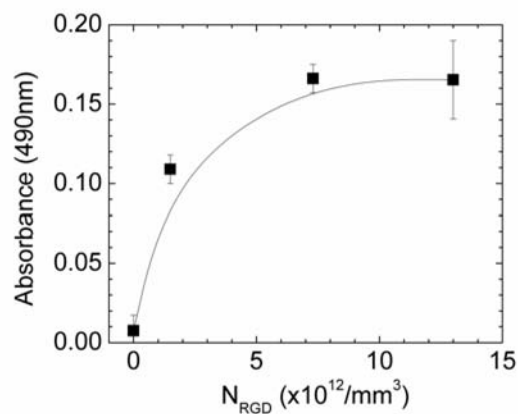


SUPPLEMENTAL FIG. 1. SSC colony formation on 2D surfaces was enhanced with increasing N_{RGD} . (A), (B), and (C) represent C18-4 cells attached to gels presenting N_{RGD} of 6.2 , 31 , and 56×10^7 RGD/ mm^2 , respectively. Scale bars represent $50 \mu\text{m}$.



SUPPLEMENTAL FIG. 2. Cell proliferation on 2D hydrogel surfaces was roughly independent of the elastic modulus of the hydrogel. N_{RGD} was kept constant at 6.2×10^8 RGD/ mm^2 while the elastic modulus was varied from 8 to 110 kPa. N and N_0 represent the cell number and the cell number measured at day 1, respectively. ■, ●, ▲, □, and ○ represent gels with elastic moduli of 8, 20, 40, 60, and 110 kPa, respectively.



SUPPLEMENTAL FIG. 3. Cell viability in 3D hydrogel cultures on day 5 increased with increasing N_{RGD} density. The absorbance measured at 490 nm, in accordance with an MTS-based proliferation assay, is proportional to the number of viable cells. N_{RGD} was varied from 0 to 1.3×10^{13} RGD/ mm^3 .