

Supporting Information

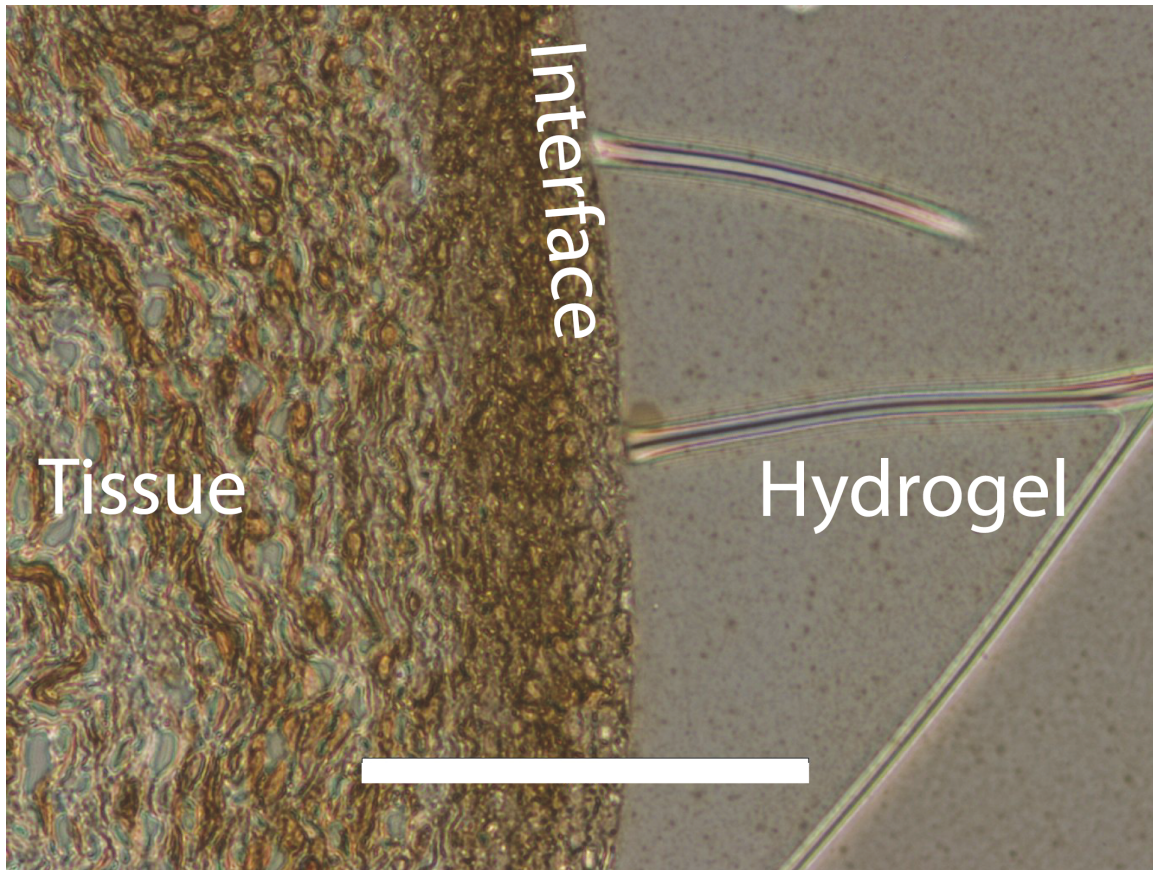


Figure S1: High magnification (40x) image of the tissue-hydrogel interface, highlighting the difficulty in counting individual cells. Scale bar is 200 μ m.

Macrophages in the foreign body response

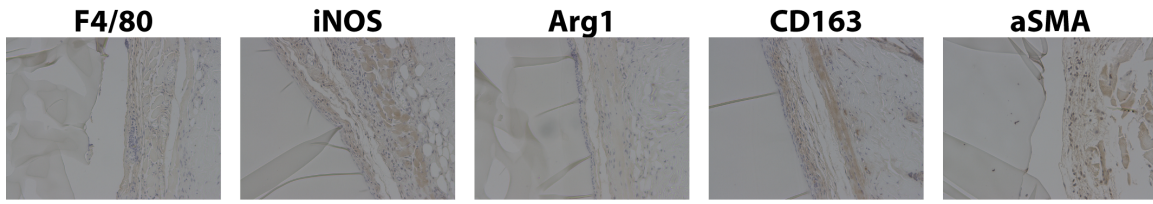


Figure S2: Isotype controls for each antibody.

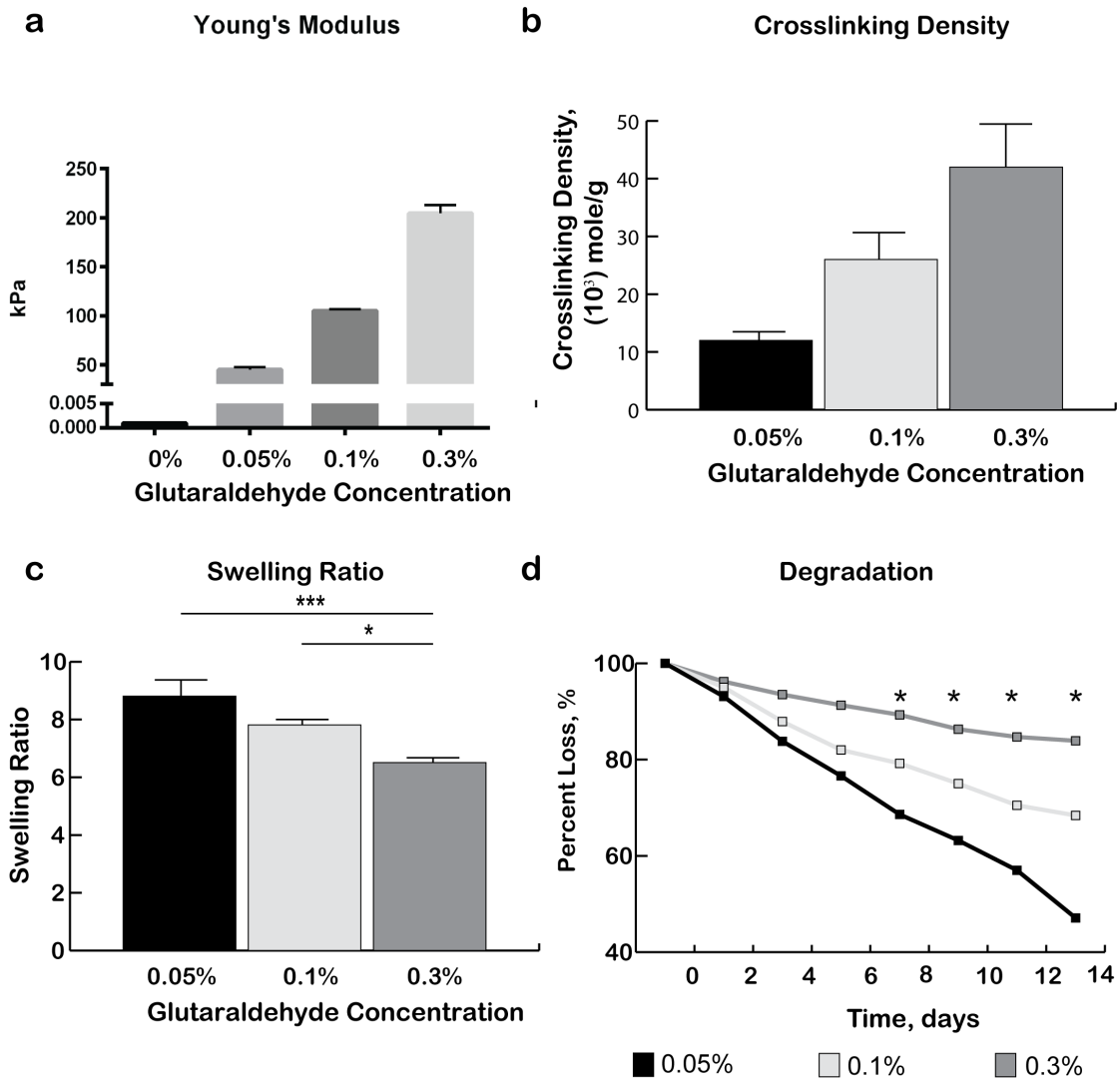


Figure S3: Properties of crosslinked hydrogels. A. Young's modulus determined in unconfined compression. All groups are statistically significant from one another (one way ANOVA, $p < 0.05$). B. Crosslinking density, determined from equilibrium swelling theory. All groups are statistically significant from one another (one way ANOVA, $p < 0.05$). C. Equilibrium swelling ratio. D. Change in mass over time, normalized to starting mass. * denotes statistical significance from all other groups at indicated time point ($p < 0.05$, one way ANOVA performed at each time point).

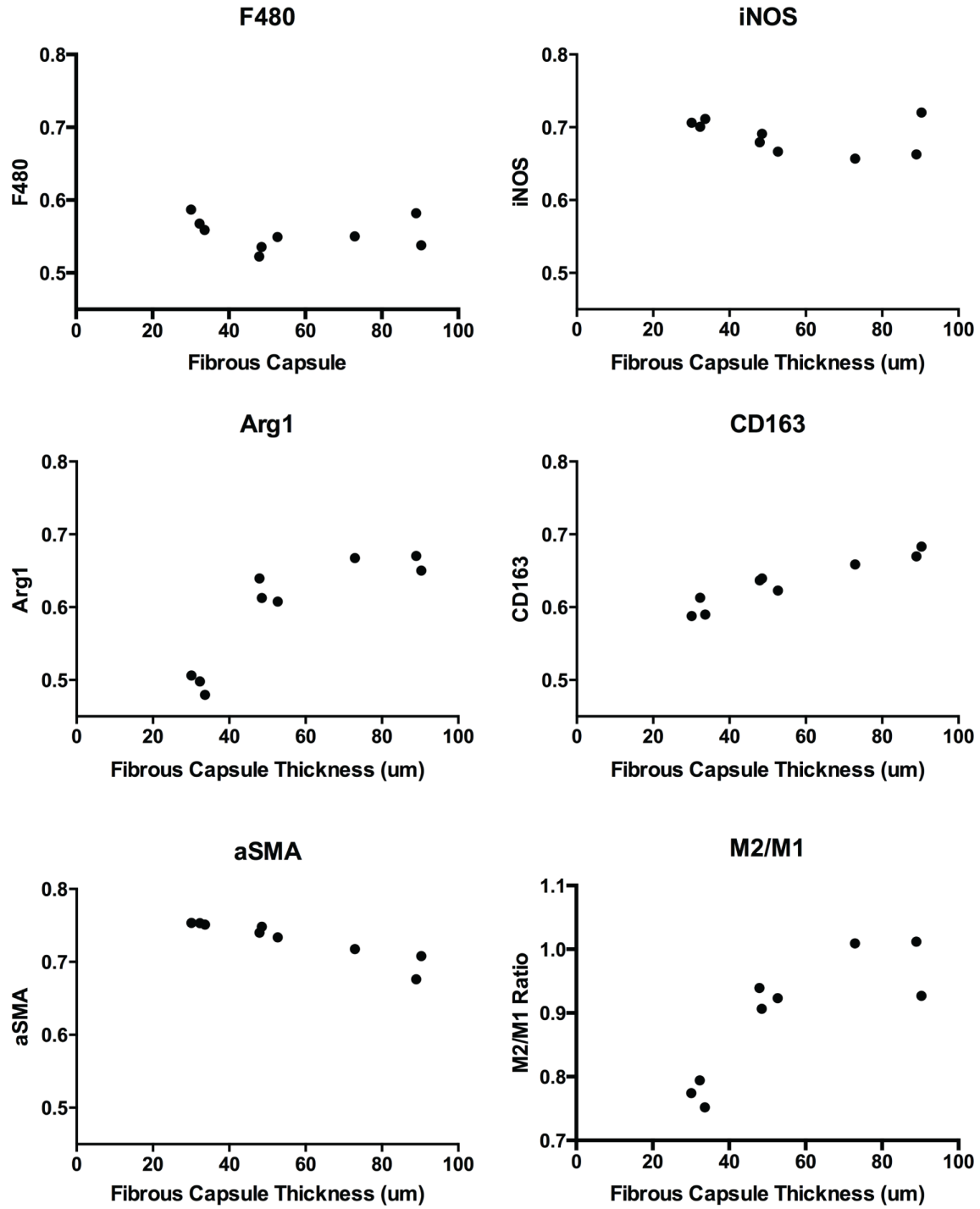


Figure S4: Correlation analyses showing relationships between macrophage phenotype or myofibroblast markers and the fibrous capsule thickness.