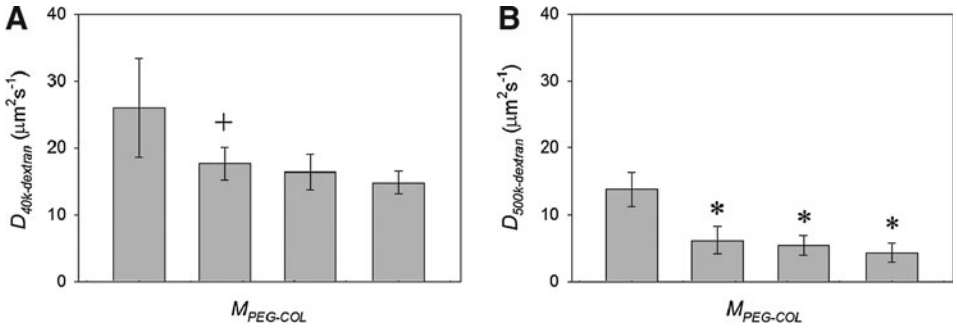
Supplementary Data



SUPPLEMENTARY FIG. S1. Diffusion coefficients ($D_{dextran}$) of Fluoresceinisothiocynate–dextran with molecular weights of 40 kDa **(A)** and 500 kDa **(B)** determined by fluorescence recovery after photobleaching assay. The dextran was encapsulated into collagen-poly(ethylene glycol) dissucinimidyl ester (PEGDE) gels with varying mass ratio between PEGDE and collagen ($M_{PEG\text{-}COL}$). **(A)** Effect of $M_{PEG\text{-}COL}$ on $D_{40k\text{-}dextran}$. The difference between $D_{40k\text{-}dextran}$ at an $M_{PEG\text{-}COL}$ of 0 and $D_{40k\text{-}dextran}$ at an $M_{PEG\text{-}COL}$ of 0.33 is not statistically significant ($+p > 0.05$). **(B)** Effect of $M_{PEG\text{-}COL}$ on $D_{500k\text{-}dextran}$. In contrast, the difference between $D_{500k\text{-}dextran}$ at an $M_{PEG\text{-}COL}$ of 0 and $D_{500k\text{-}dextran}$ at an $M_{PEG\text{-}COL}$ of 0.33 is statistically significant ($*p < 0.05$). However, there is not a statistical significance of the differences among $D_{500k\text{-}dextran}$ at $M_{PEG\text{-}COL}$ of 0.33, 0.66, and 1.0.