Supporting information

Injectable hydrogels for the sustained delivery of a HER2-targeted antibody for preventing local relapse of HER2+ breast cancer after breast-conserving surgery

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**Figure S1.** $^1$H NMR spectrum of a PLGA-PEG-PLGA triblock copolymer (copolymer-2) in CDCl$_3$.

**Figure S2.** The storage modulus ($G'$) and loss modulus ($G''$) of the aqueous solutions of (A) copolymer-2 and (B) mixture-C as a function of temperature. Shear frequency: 1.59 Hz; heating rate: 0.5 °C/min. The polymer concentration was 25 wt%.
Figure S3. (A) Real-time *in vivo* fluorescent imaging of SK-BR-3 tumor-bearing nude mice with subcutaneous injection of Cy5.5-Her solution or the Cy5.5-Her-loaded mixture-A hydrogel. The fluorescence intensity of Cy5.5-Her in the hydrogel was equal to that of Cy5.5-Her solution. All the images shown in the same group are from the same mouse. (B) Semi-quantitative analysis of the fluorescence signals at the injection sites as a function of time.