

Supporting Information

for *Adv. Sci.*, DOI 10.1002/advs.202305508

Hydrogel Crosslinked with Nanoparticles for Prevention of Surgical Hemorrhage and Recurrence of Hepatocellular Carcinoma

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Short Title: Nanocomposite Hemostatic Hydrogels for HCC Anti-recurrence Treatment

Keywords: Adhesive hydrogels, immunotherapy, hepatocellular carcinoma, block copolymer, tumor recurrence

These authors contribute equally to this work.

Figures: 6

Pages: 7

CONTENTS of FIGURES

Figure S1. The different formations of different hydrogels.

Figure S2. A+T@MgCa(CO₃)₂@fibrin hydrogel for triggering antitumor immune response.

Figure S3. Characterization of A+T@MgCa(CO₃)₂@fibrin hydrogel.

Figure S4. Residual activity of A+T@MgCa(CO₃)₂@fibrin hydrogel.

Figure S5. The characterization of single drug and nanocomposite hydrogel.

Figure S6. Hemostatic performance of the wound dressing in different treatment.

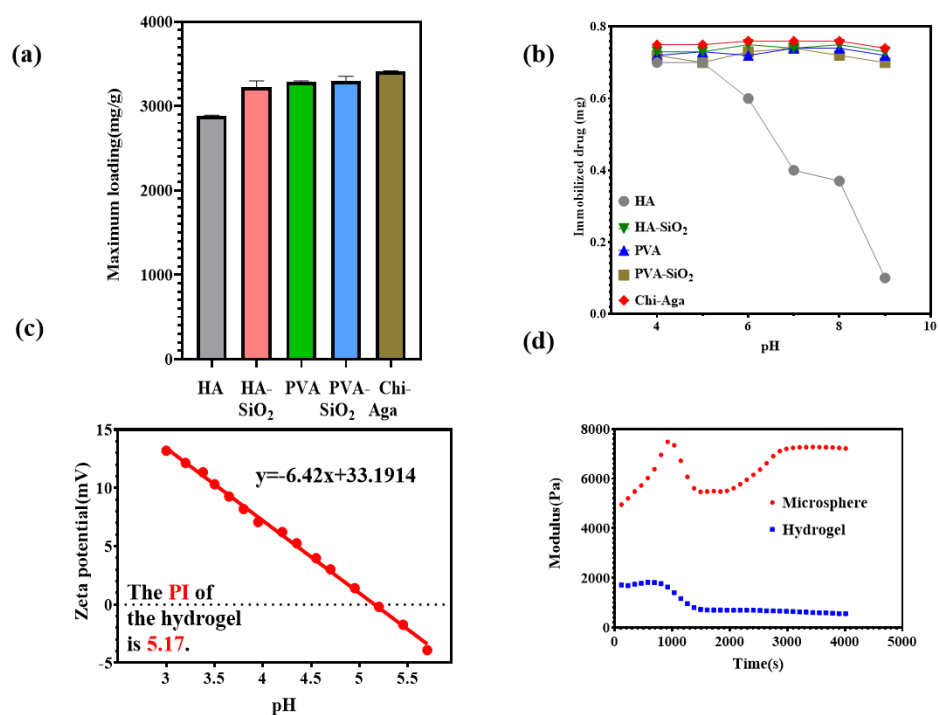


Figure S1. The different formations of different hydrogels. (a) Different materials for nanocomposite hydrogel synthesis; (b) The impact of pH for the synthesise of drug loaded nanocomposite hydrogel; (c) The zeta potential test of drug-loaded nanocomposite hydrogel; (d) Shear strength-strain curves of hydrogel in gel and microsphere shape.

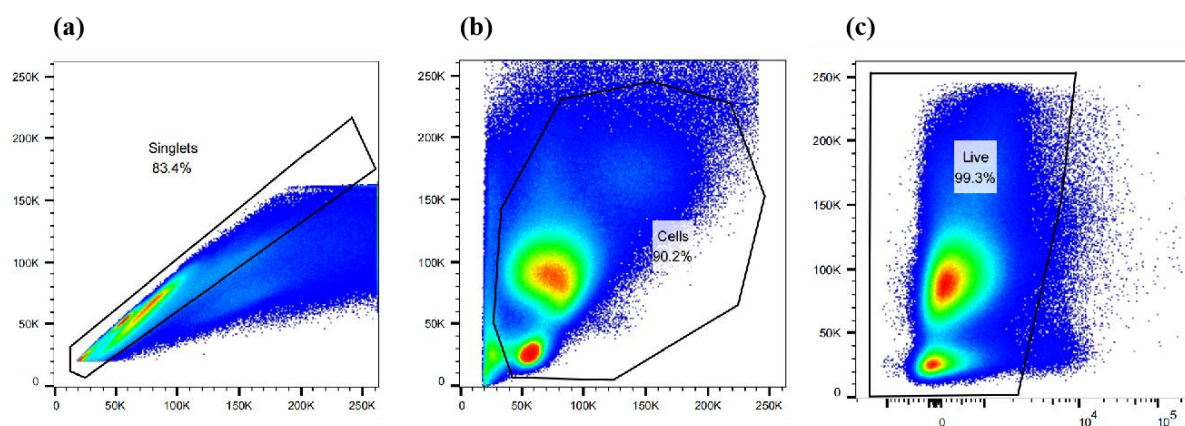


Figure S2. A+T@MgCa(CO₃)₂@fibrin hydrogel for triggering antitumor immune response. Representative flow cytometric analysis images (a) and corresponding quantification cell (b). In it, the live part is shown in (c).

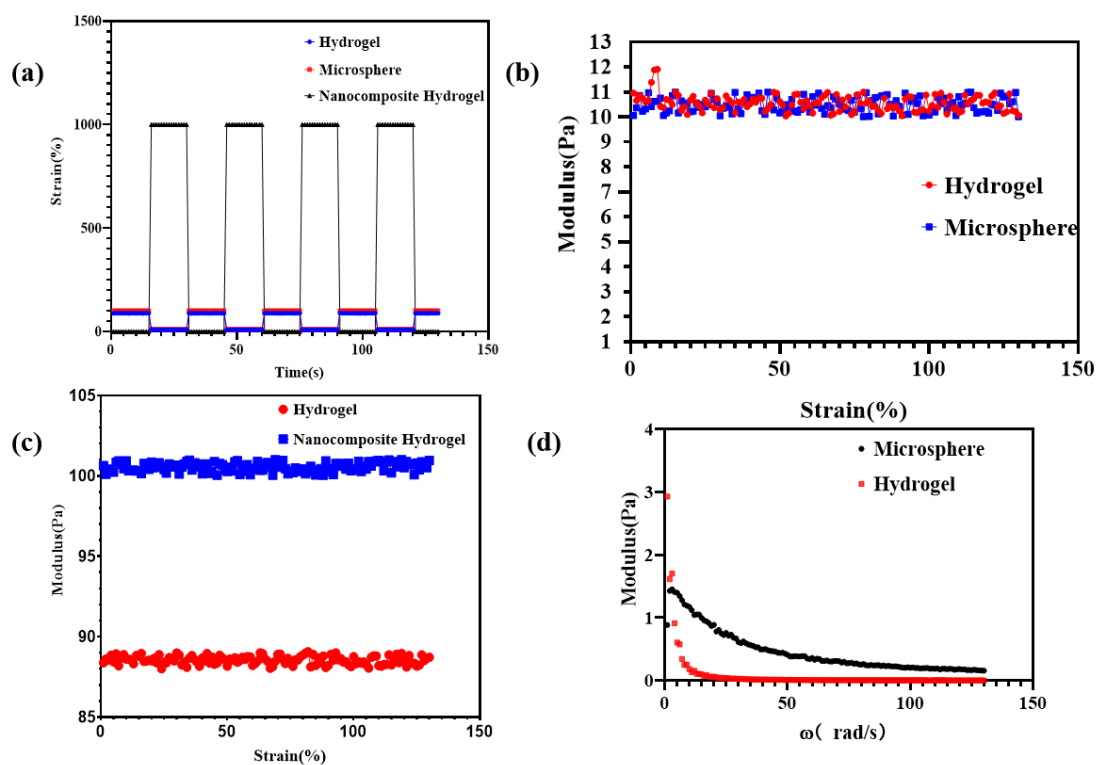


Figure S3. Characterization of A+T@MgCa(CO₃)₂@fibrin hydrogel. (a) Strain capacity (b) Storage modulus (c) Loss modulus and (d) Composite viscosity of different hydrogels.

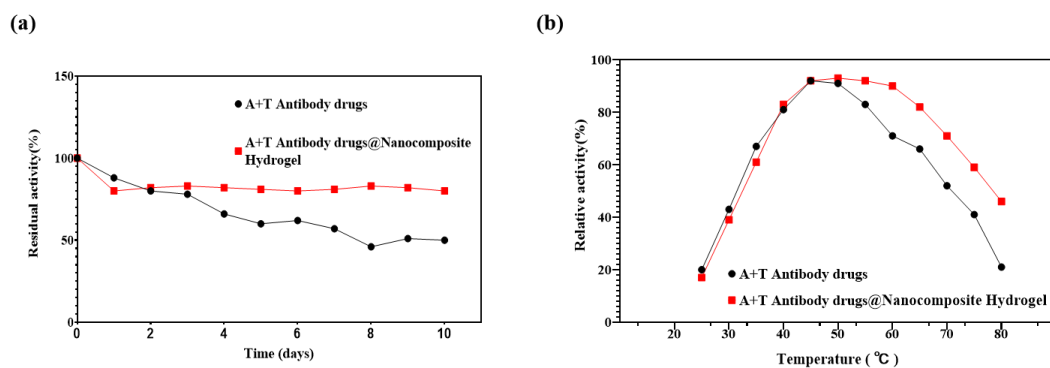


Figure S4. Residual activity of A+T@MgCa(CO₃)₂@fibrin hydrogel. (a)The drug release process of single drug and nanocomposite hydrogel; (b)The stability of single drug and nanocomposite hydrogel in different temperatures.

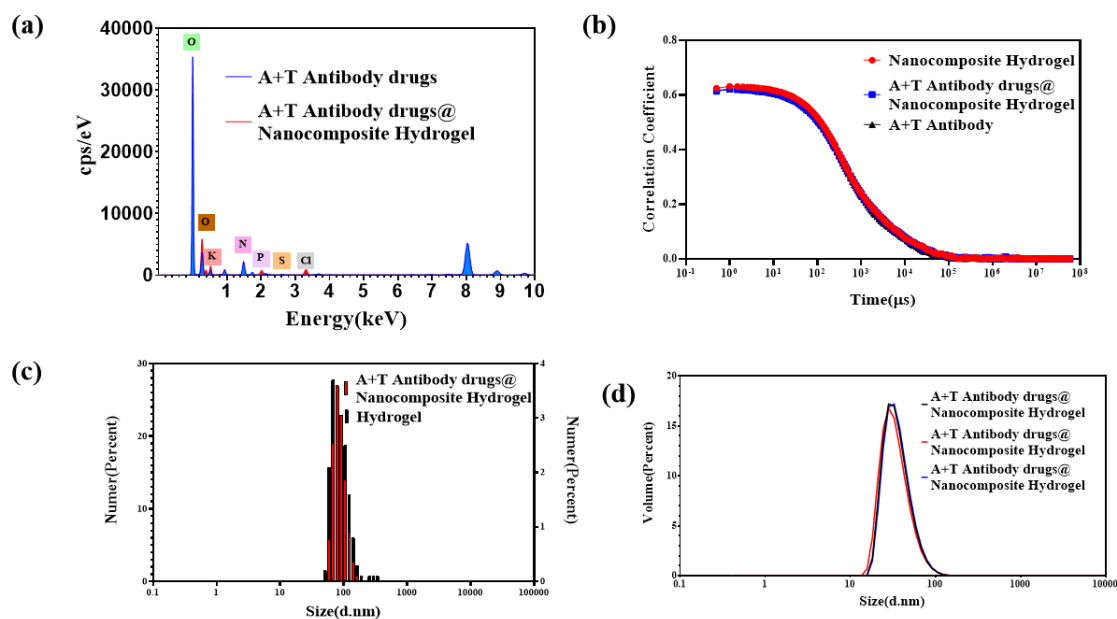


Figure S5. The characterization of single drug and nanocomposite hydrogel. (a) cps curve of single drug and nanocomposite hydrogel; (b) correlation coefficient of hydrogel and nanocomposite hydrogel; The number (c) and volume (d) of drug loaded nanocomposite hydrogel.

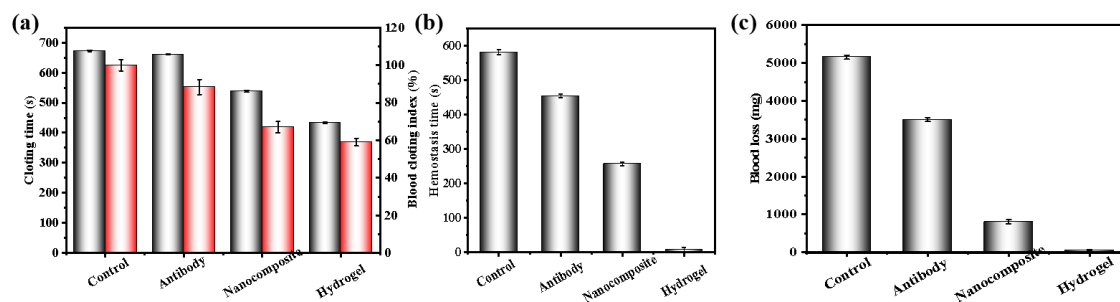


Figure S6. Hemostatic performance of the wound dressing in different treatment. (a) In vitro coagulation time and blood-clotting index (BCI) of different groups. In vivo hemostatic performance was evaluated by recording (b) blood loss and (c) hemostatic time.