Supporting Information

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Modeling Endothelialized Hepatic Tumor Microtissues for Drug Screening

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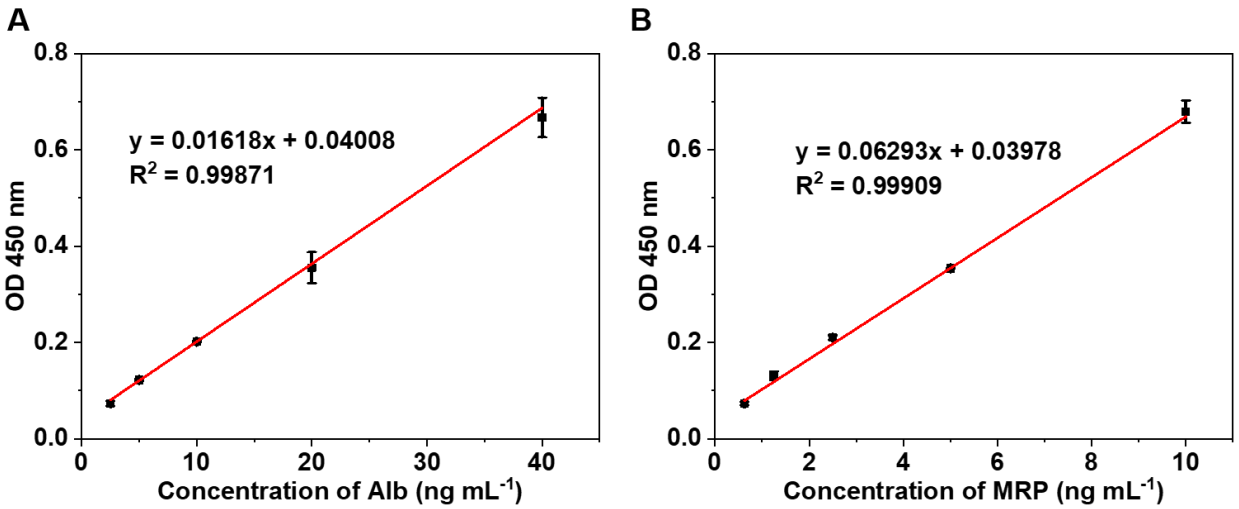

Figure S1. Standard curves of (A) Alb and (B) MRP measured by ELISA.

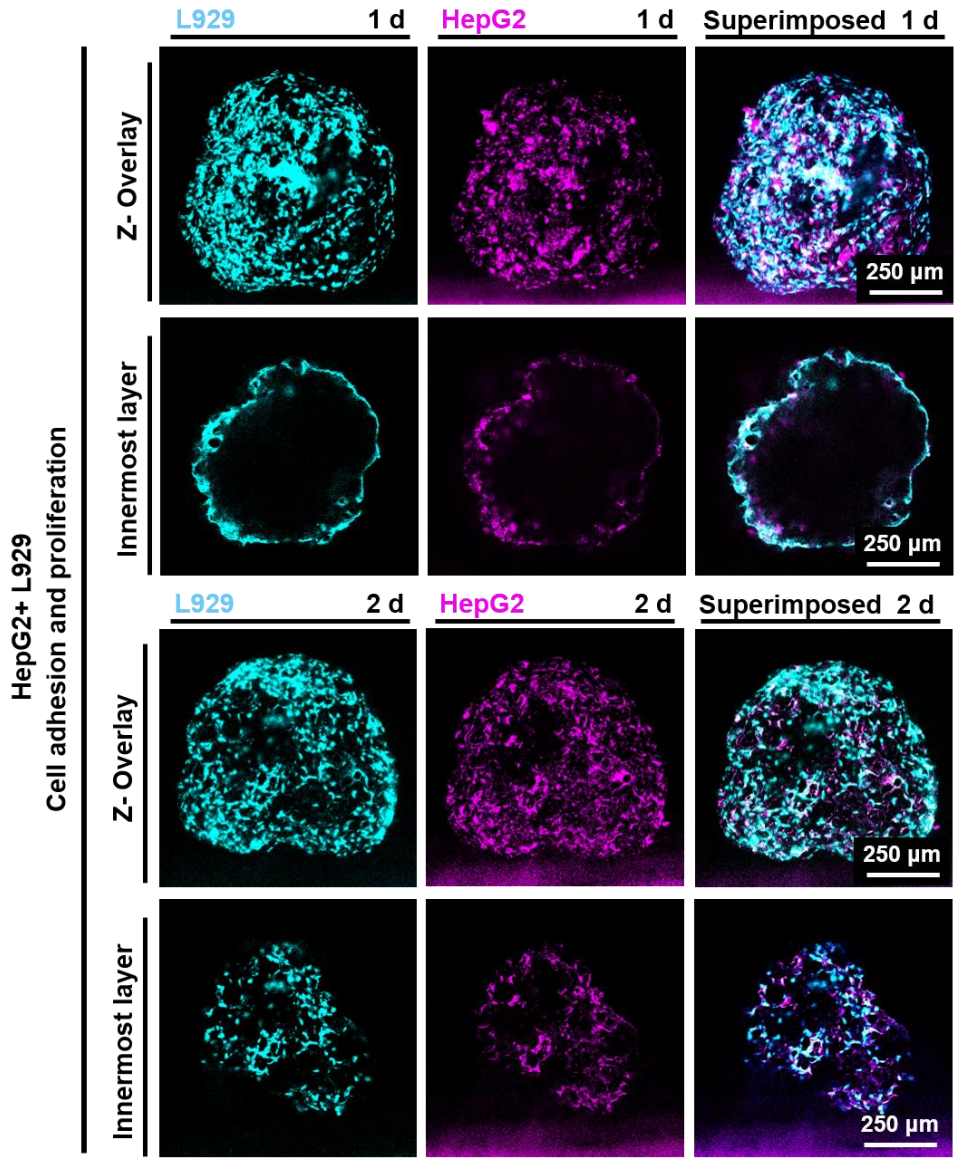

Figure S2. Coculture of HepG2 cells and L929 cells and study of their colocalization. Fluorescence microscopy images showing the adhesion and distributions of HepG2 (purple) and L929 (blue) cells on the PLGA PMs after 1 and 2 d of coculture.

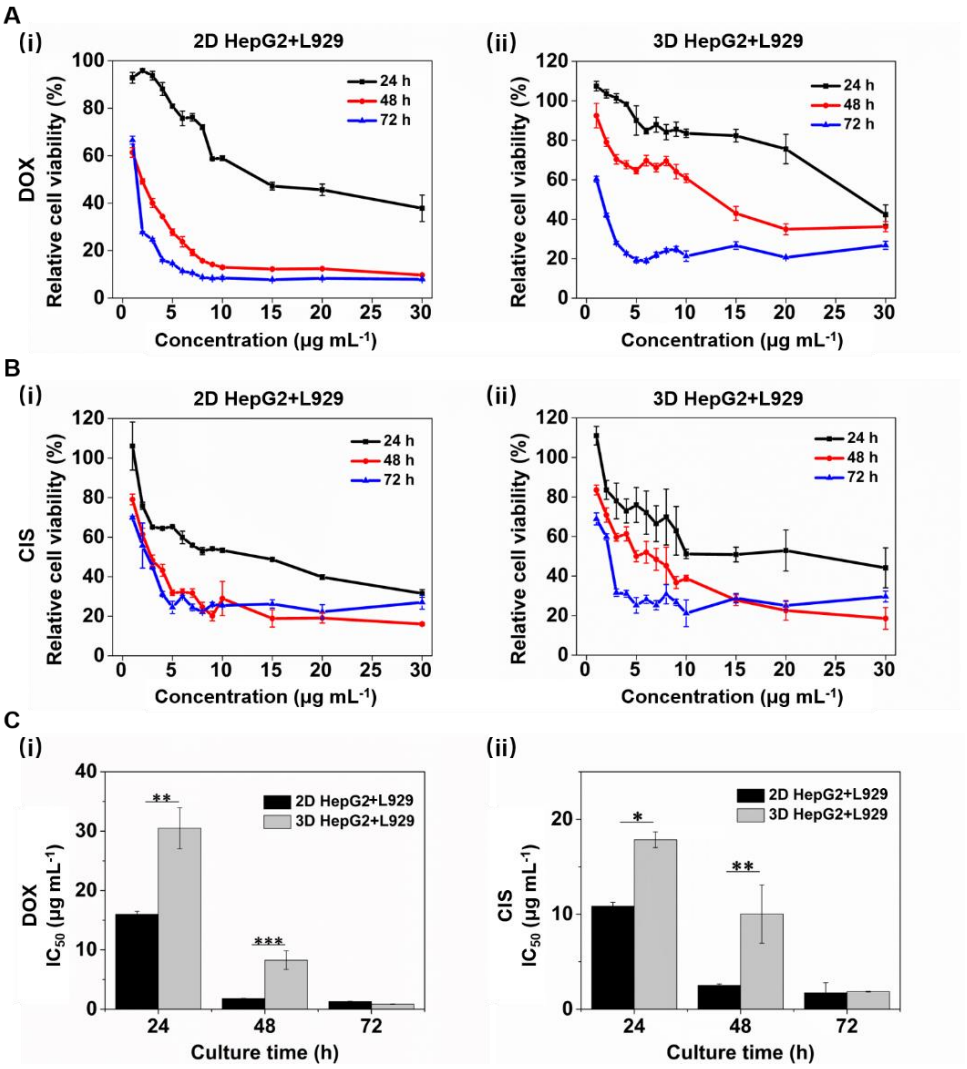

Figure S3. Drug evaluation on the multicellular tumor microtissue model using coculture of HepG2 and L929 cells. (A) *In vitro* cytotoxicity tests showing the relative viabilities of cells after treatment with different concentrations of DOX for 24, 48, and 72 h. (B) *In vitro* cytotoxicity tests showing the relative viabilities of cells after treatment with different concentrations of CIS for 24, 48, and 72 h. (C) Dose-responses of 2D- and 3D-cultured HepG2 cells and L929 cells to DOX and CIS, respectively. The concentrations of DOX and CIS used were both 15 μg mL^{-1}. *$P < 0.05$, **$P < 0.01$, and ***$P < 0.001$.

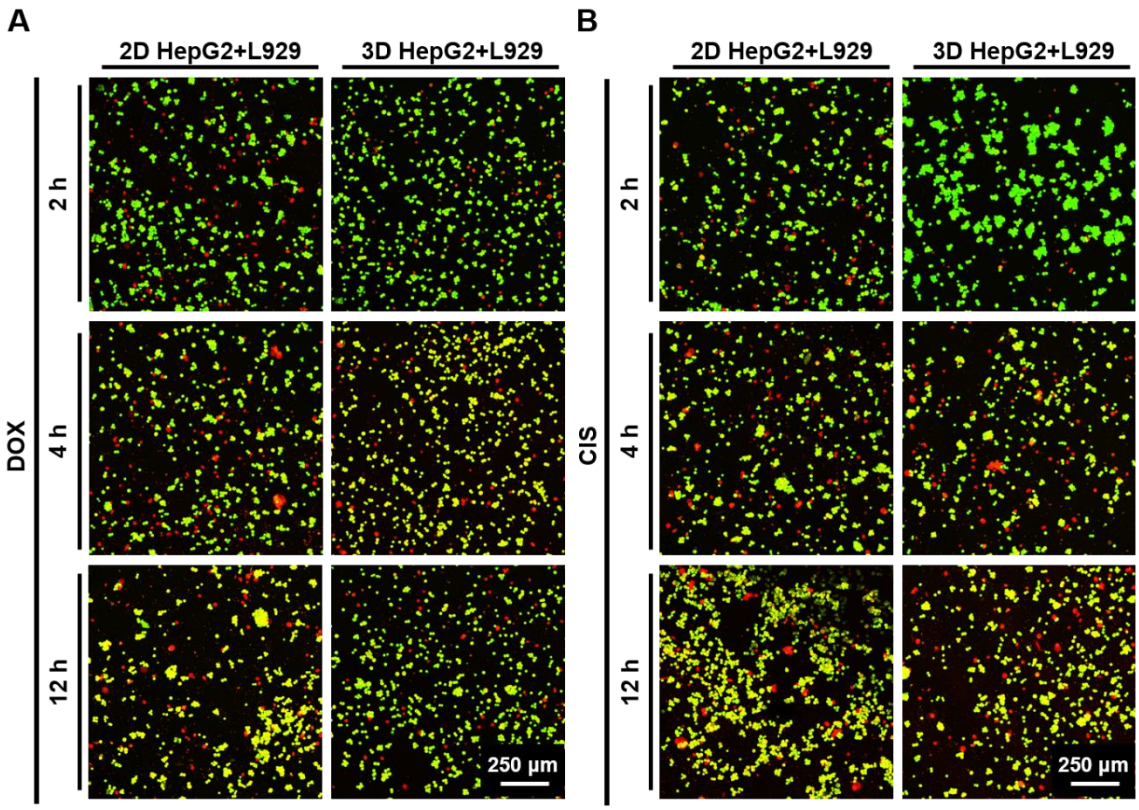

Figure S4. Fluorescence microscopy images showing of 2D- and 3D-cocultured HepG2 and L929 cells at different time points (2, 4, and 12 h). The live and dead cells were stained in green and red, respectively. The cells in yellow are at the early stage of apoptosis for cells after different times of incubation with DOX.