**Supplementary Data**

**pH- and acoustic-responsive platforms based on perfluoropentane loaded protein nanoparticles for ovarian tumor targeted ultrasound imaging and therapy**

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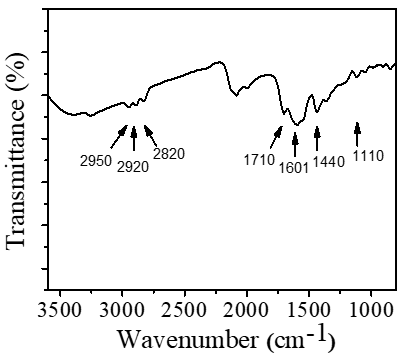


Figure S1. The FT-IR spectrum of FA-FRT.

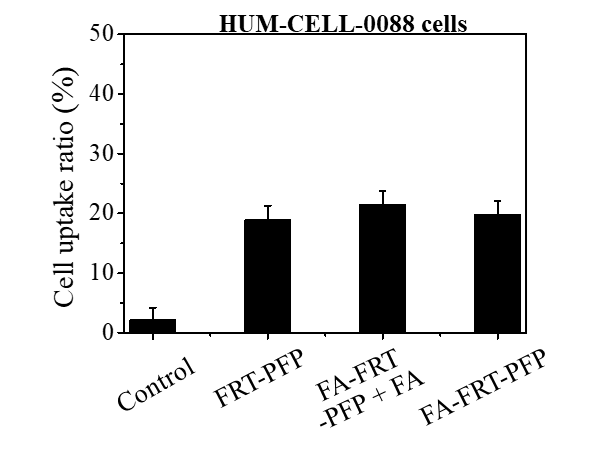


Figure S2. The statistical data of FITC fluorescence signal inside HUM-CELL-0088 cells treated with free FITC and FITC labeled FRT-PFP, FA-FRT-PFP + FA and FA-FRT-PFP.

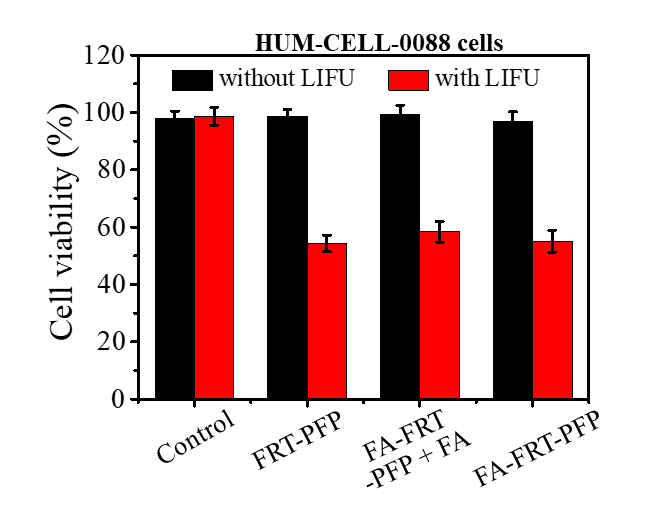


Figure S3. Cell viabilities of HUM-CELL-0088 cells treated with 40 μg/ml of PBS (control), FRT-PFP, FA-FRT-PFP + FA and FA-FRT-PFP combined with or without LIFU irradiation (2.0 W/cm2, 4 min) and further 21 h incubation.

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Figure S4. The TNF protein expression level of cells treated with 40 μg/mL of PBS (control), FRT-PFP, FA-FRT-PFP + FA and FA-FRT-PFP combined with or without LIFU irradiation (2.0 W/cm2, 4 min) and further 21 h incubation.