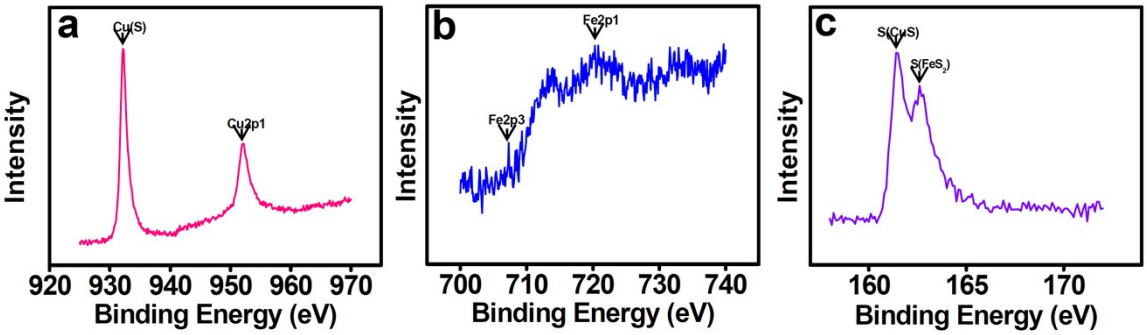
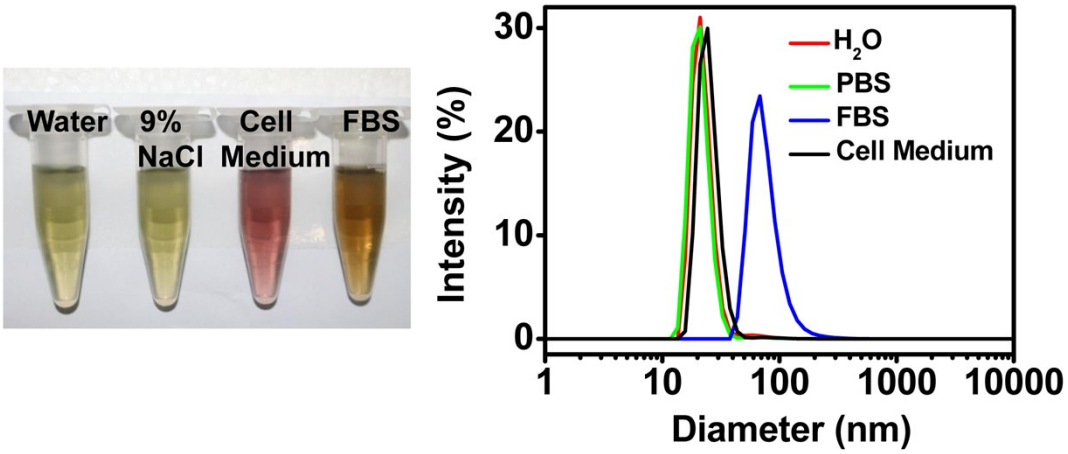
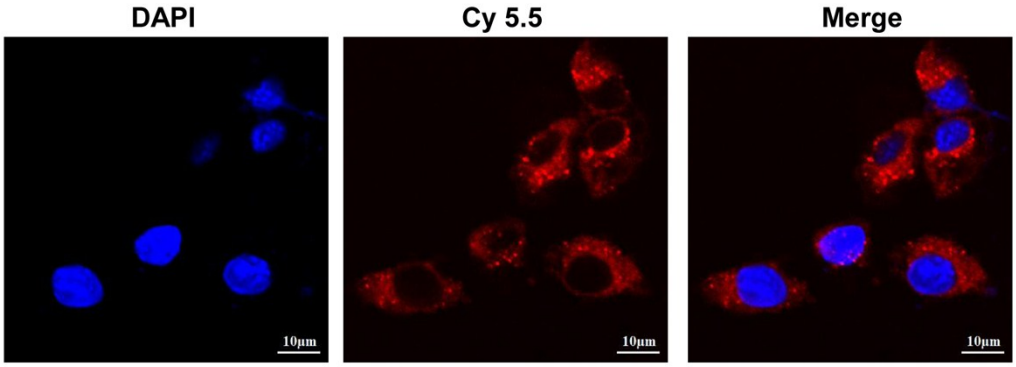
Supporting information



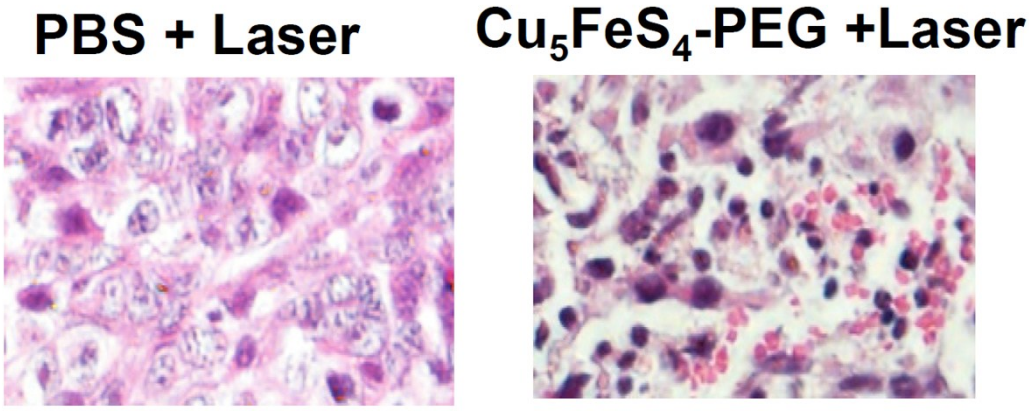
Supporting information Figure S1, (a-c)X-ray photoelectron spectrum (XPS) of Cu_5FeS_4 nanoparticles. Copper (a), iron (b) and sulfide (c) peaks were observed in the XPS spectrum, confirming the existence of Cu, Fe and S in Cu_5FeS_4 nanoparticles



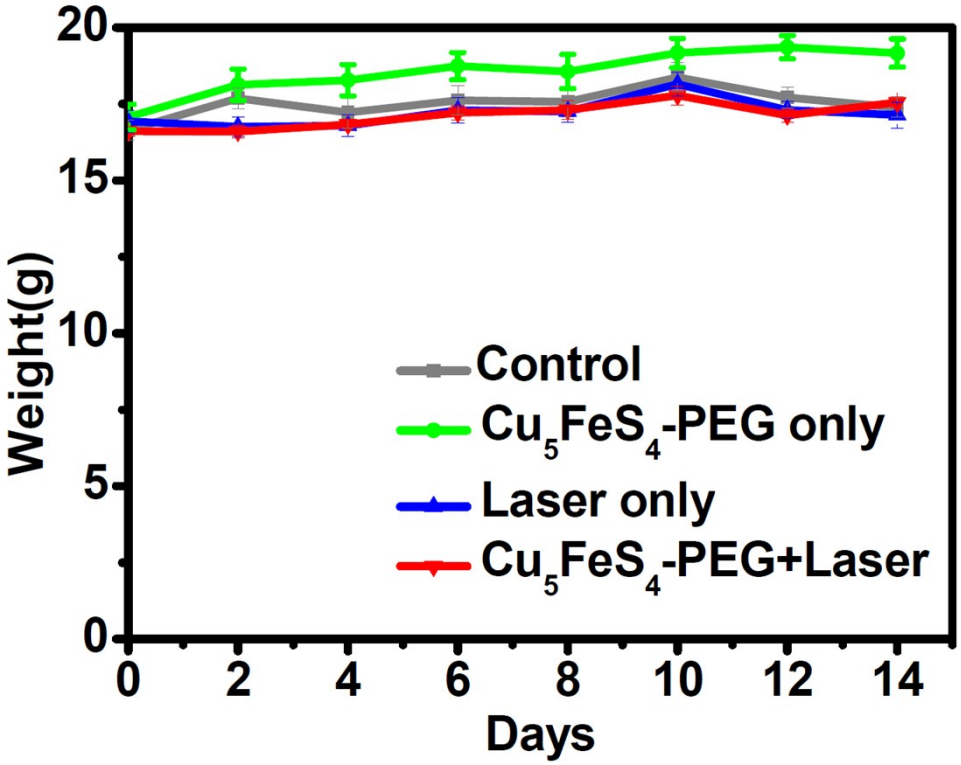
Supporting information Figure S2, Photos and DLS of Cu_5FeS_4-PEG in water, 9% NaCl (PBS), cell medium and FBS.



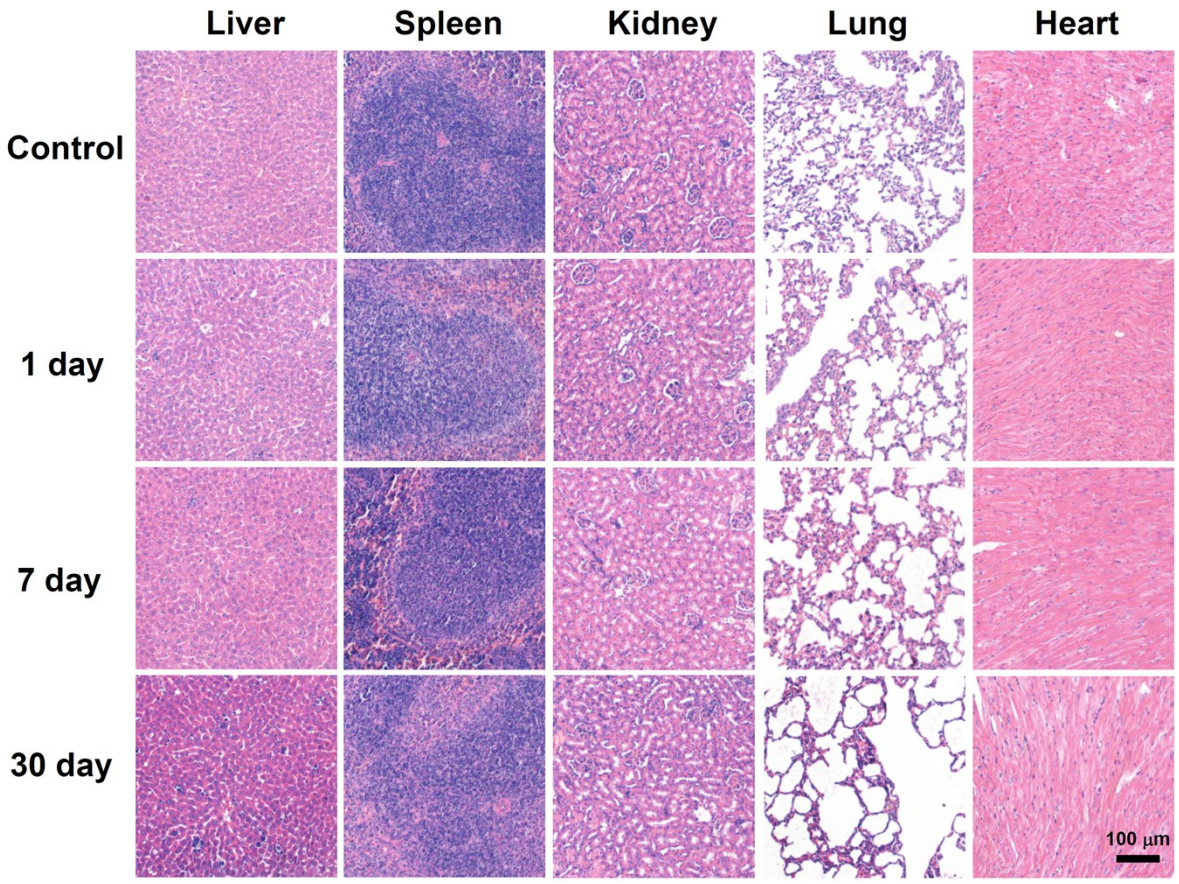
Supporting information Figure S3, Confocal images of 4T1 cells incubated with 20 μg/mL of Cy5.5-labeled Cu_5FeS_4-PEG for 6 h of incubation.



Supporting information Figure S4, Hematoxylin and Eosin staining of tumor slices from mice exposure to laser treated with or without Cu_5FeS_4-PEG.



Supporting information Figure S5, Body weight curves of mice after various treatments indicated.



Supporting information Figure S6, In vivo potential toxicity of Cu_5FeS_4-PEG. Hematoxylin and Eosin stained micrographs of major organs slices from Cu_5FeS_4-PEG treated (dose = 50 mg/kg) mice taken at different time points (1, 7 and 30 days p.i.).