Supporting Information

Nanoscale Copper(II)-Diethyldithiocarbamate Coordination Polymer as Drug Self-delivery System for Highly Robust and Specific Cancer Therapy

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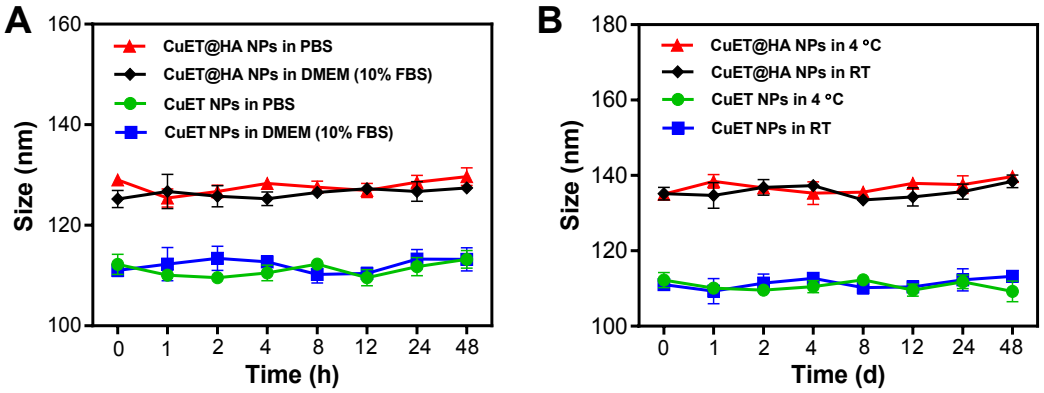

Figure S1. (A) Dynamic monitoring the size change of CuET NPs and CuET@HA NPs in PBS or DMEM (10% FBS) for 48 h. (B) Dynamic monitoring the size change of CuET NPs and CuET@HA NPs at 4 ºC or room temperature for 48 days.

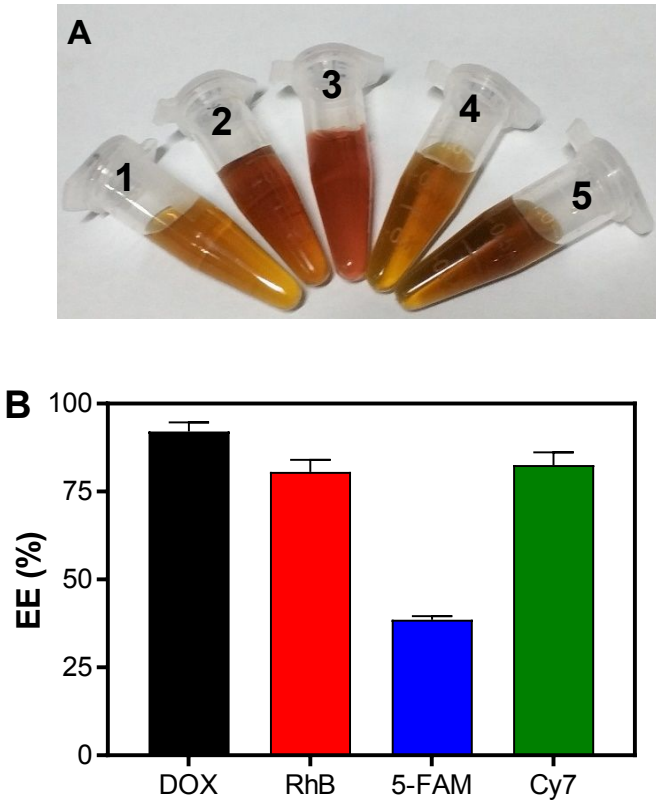

Figure S2. (A) Photographs of fluorescent dye-loaded CuET NPs (1: CuET NPs; 2: DOX-loaded CuET NPs; 3: RhB-loaded CuET NPs; 4: 5-FAN-loaded CuET NPs; 5: Cy7-loaded CuET NPs). (B) The encapsulation efficiencies of DOX, RhB, 5-FAM and Cy7 in CuET NPs.

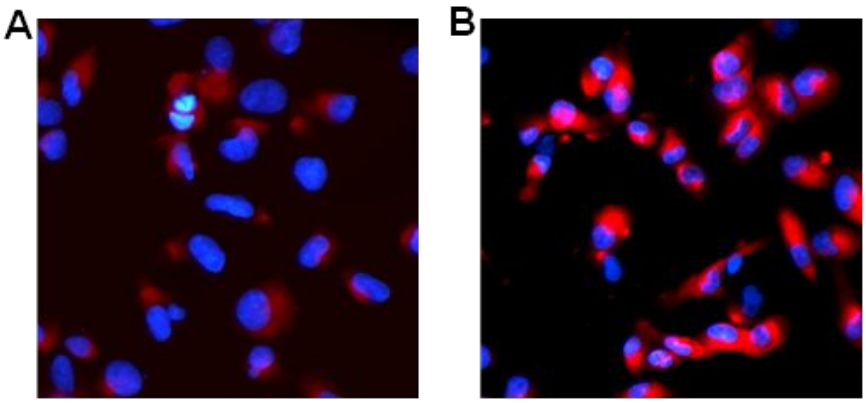

Figure S3. The CD44 immunofluorescence of (A) HEK-293 cells and (B) M231 cells.

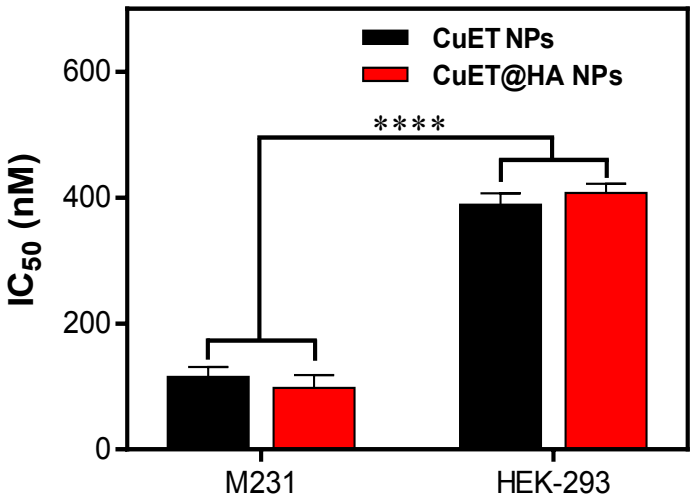

Figure S4. IC_{50} of CuET NPs or CuET@HA NPs to M231 cells or HEK-293 cells.

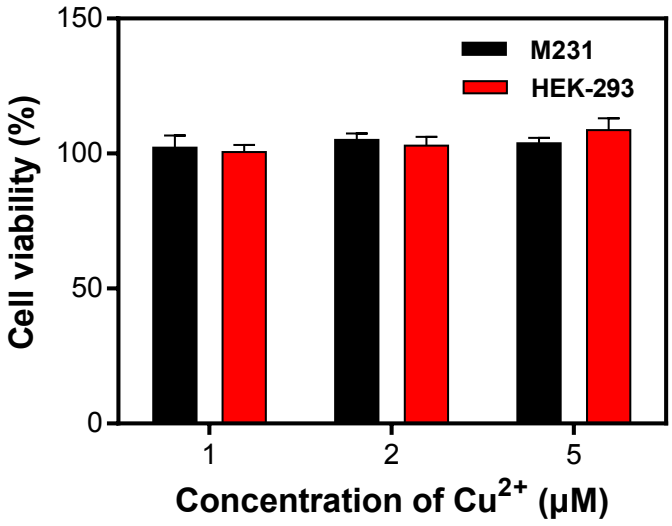

Figure S5. Cell viability of M231 cells and HEK-293 cells treated with Cu^{2+} for 48 h.

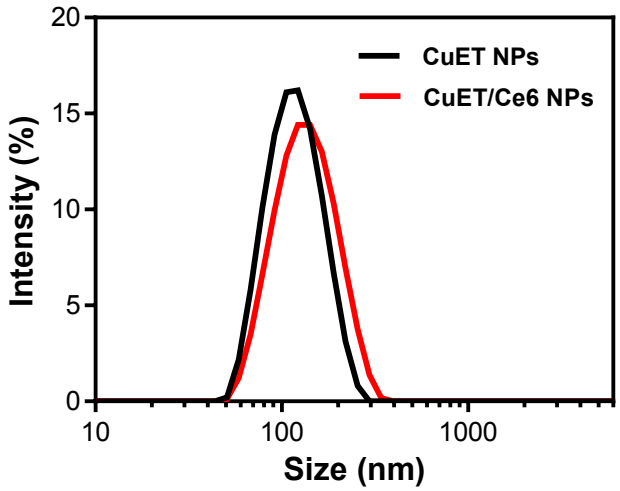

Figure S6. The particle size of CuET NPs and CuET/Ce6 NPs.

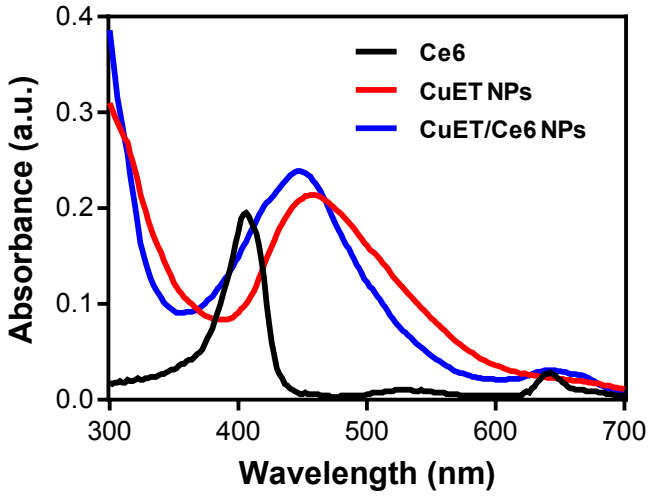

Figure S7. The UV-Vis spectra of Ce6, CuET NPs and CuET/Ce6 NPs

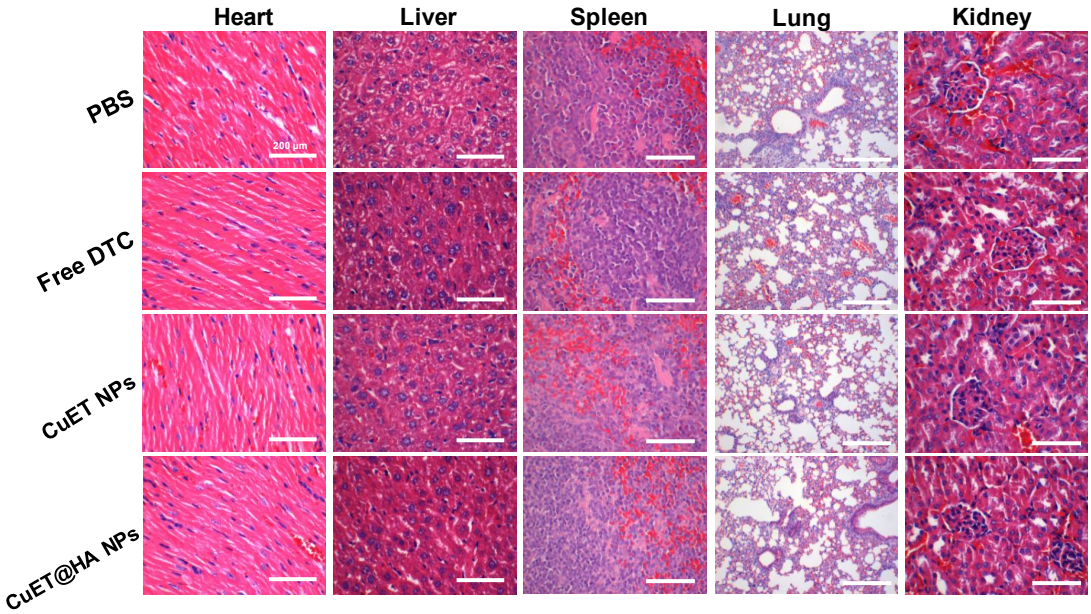

Figure S8. Histological analysis of the heart, liver, spleen, lung and kidney of mice after 14 days treatment with different drugs.