

Supporting Information

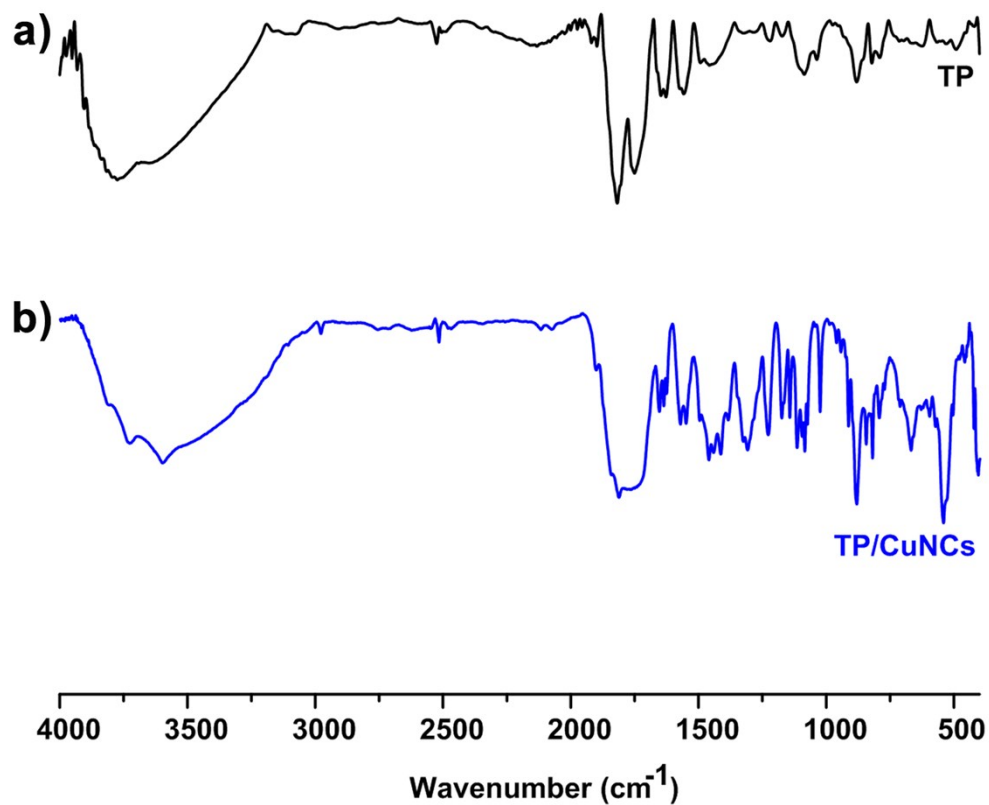


Figure S1 FTIR Spectra of TP and TP/Cu NCs.

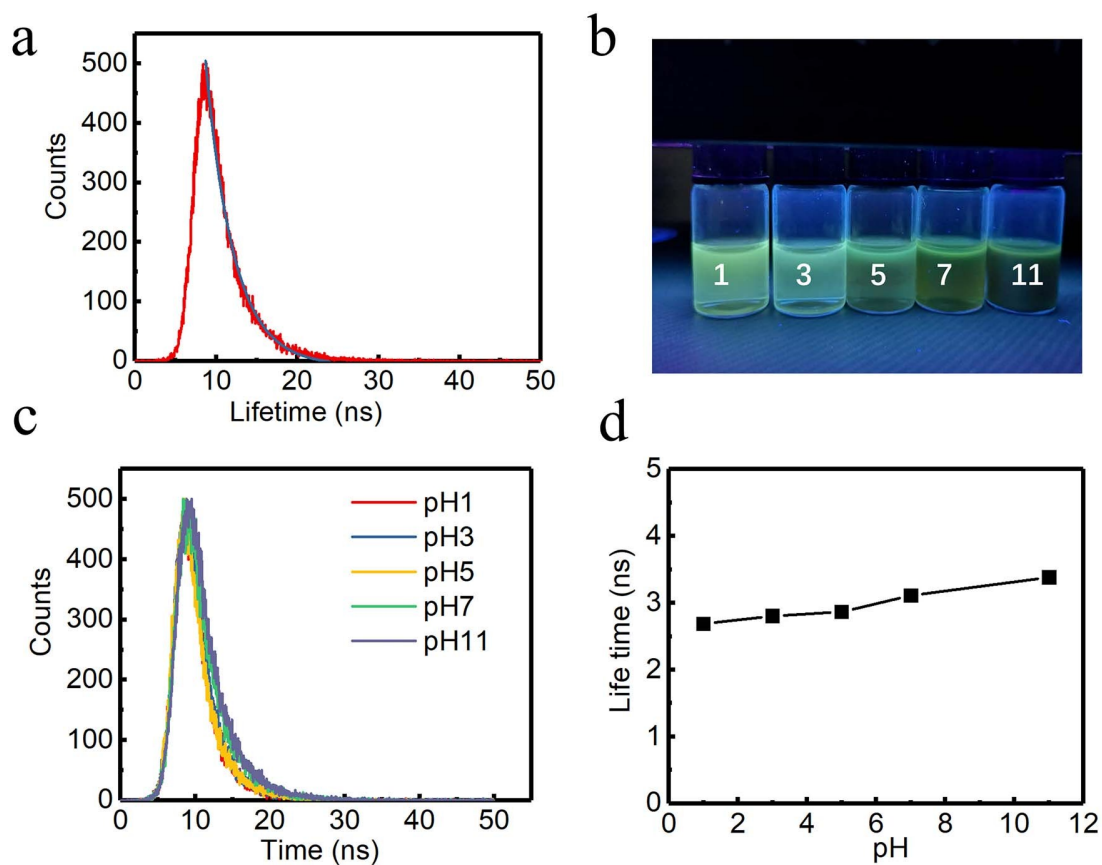


Figure S2 (a) Fluorescence profile of CuNCs at physiological pH; (b) the photos of CuNCs at different pH values; (c) Fluorescence decays of CuNCs at different pH values; and (d) the corresponding average lifetime for CuNCs as a function of pH values.

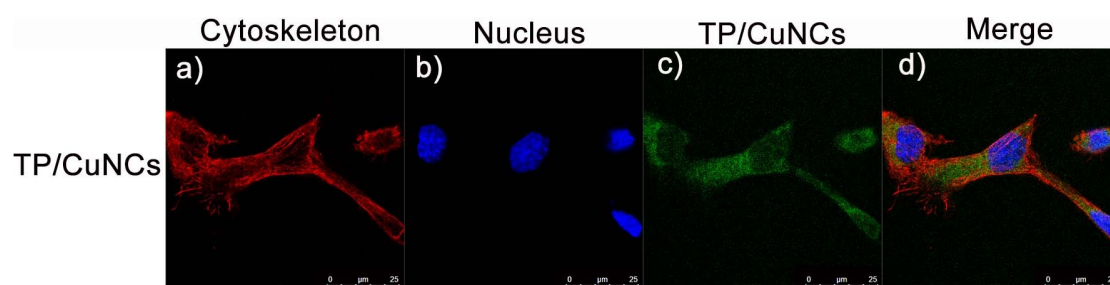


Figure S3 MC3T3-E1 cells were co-cultured with TP/Cu NCs for 24 hours and then stained with fluorescence. a)the cytoskeleton was stained red by tubulin, b)the nuclei were stained blue by Hoechst 33258, c)TP/CuNCs, d)the images in the right column are merged images from the nucleus, cytoskeleton and TP/CuNCs. The scale bars are all 25 μm .

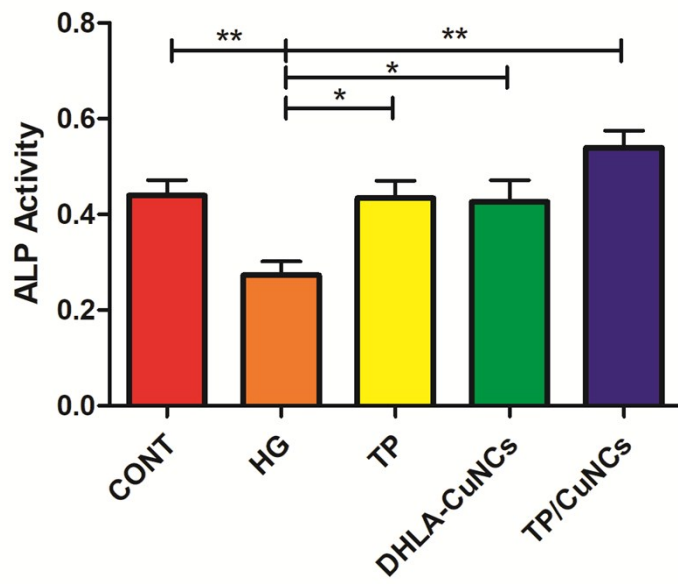


Figure S4 ALP activity of cells in each group was detected by ALP.