

Supplementary Materials

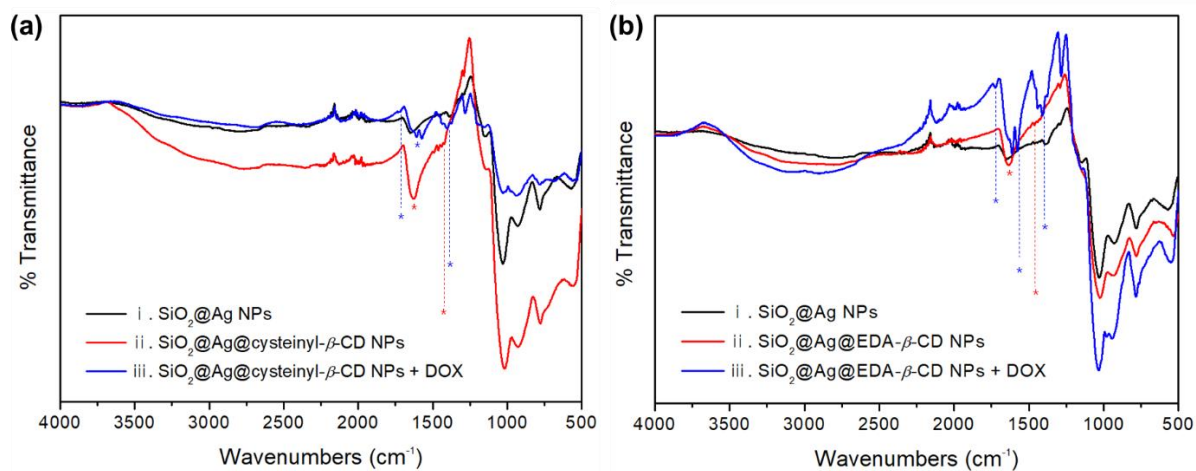


Figure S1. Broad-range FTIR spectra (from 4000 to 500 cm⁻¹) confirming the introduction of cysteinyll-β-CD, EDA-β-CD, and DOX on modified SiO₂@Ag NPs. FTIR spectra of i) SiO₂@Ag NPs, ii) SiO₂@Ag@cysteinyll-β-CD NPs and iii) SiO₂@Ag@cysteinyll-β-CD NPs (a) before and (b) after the introduction of DOX. Normalized by the signal of the material at ~3800 cm⁻¹.

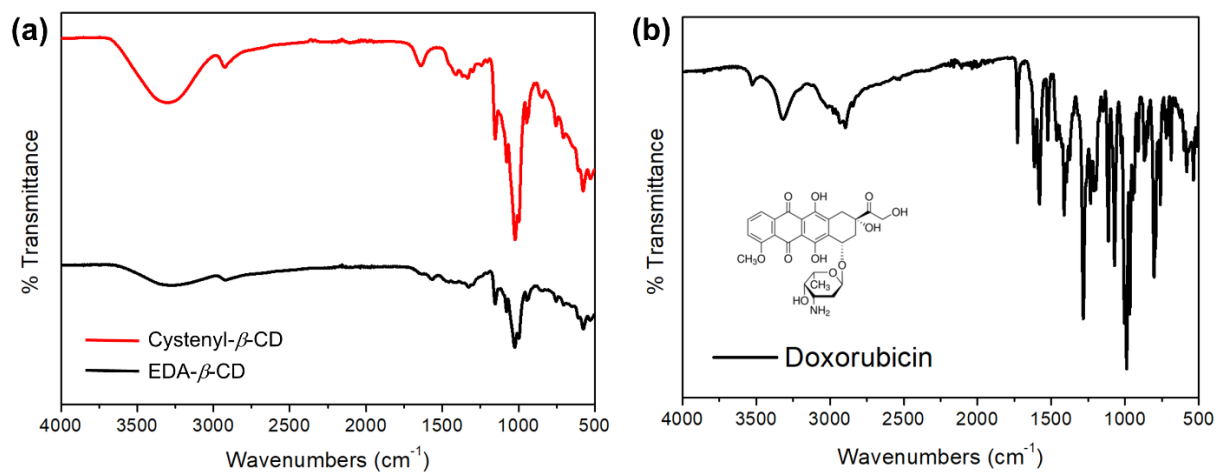


Figure S2. FTIR spectrum of (a) cysteinyl-β-CD and EDA-β-CD, (b) DOX. (Inset: The chemical structure of DOX).

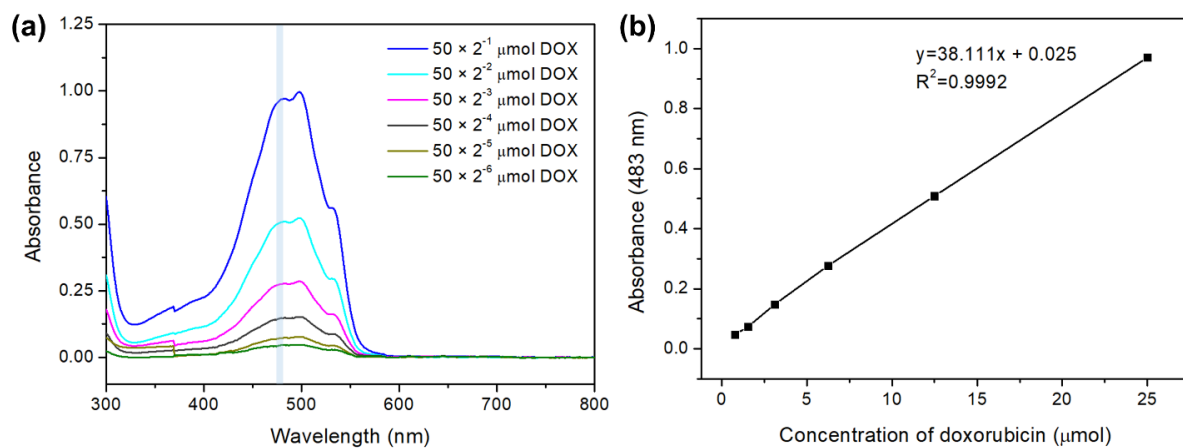


Figure S3. (a) UV-Vis spectra of doxorubicin (DOX). The wavelength of 483 nm was marked with vertical line inside of the graph. (b) Calibration curve of DOX aqueous solution as a function of concentration.