

## Supporting Information

### Reduction-, Thermo-Sensitive and Core-Cross-Linked Polypeptide Hybrid Micelles for Triggered and Intracellular Drug Release

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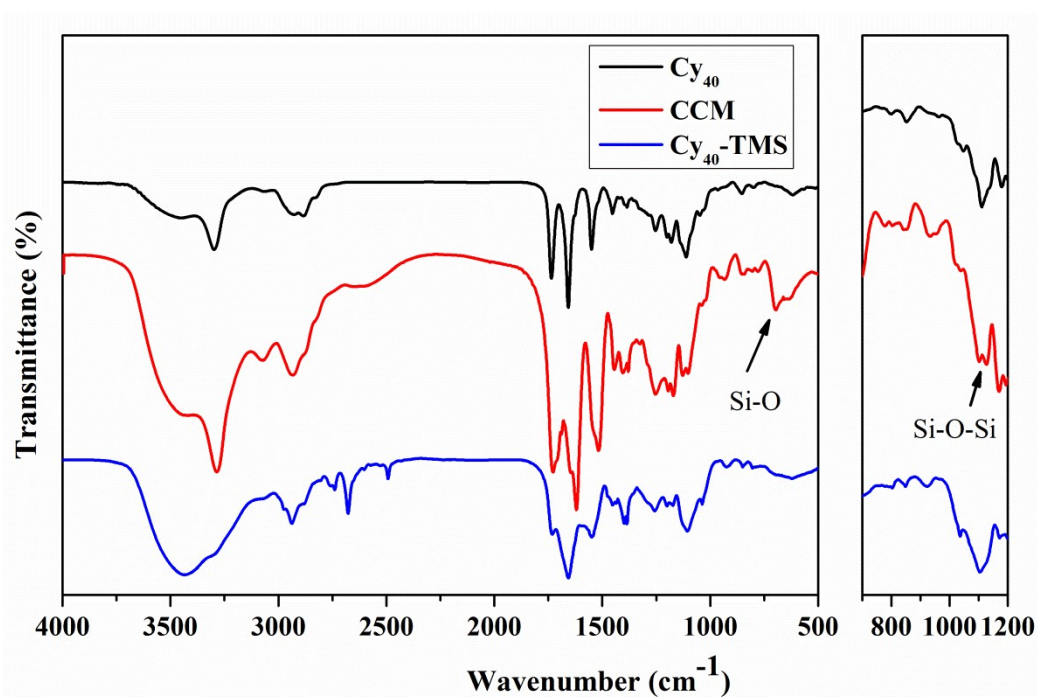
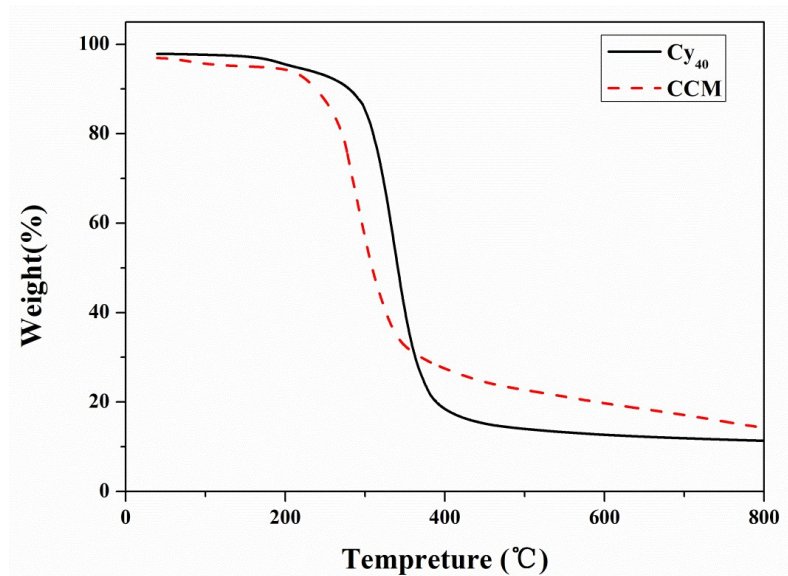
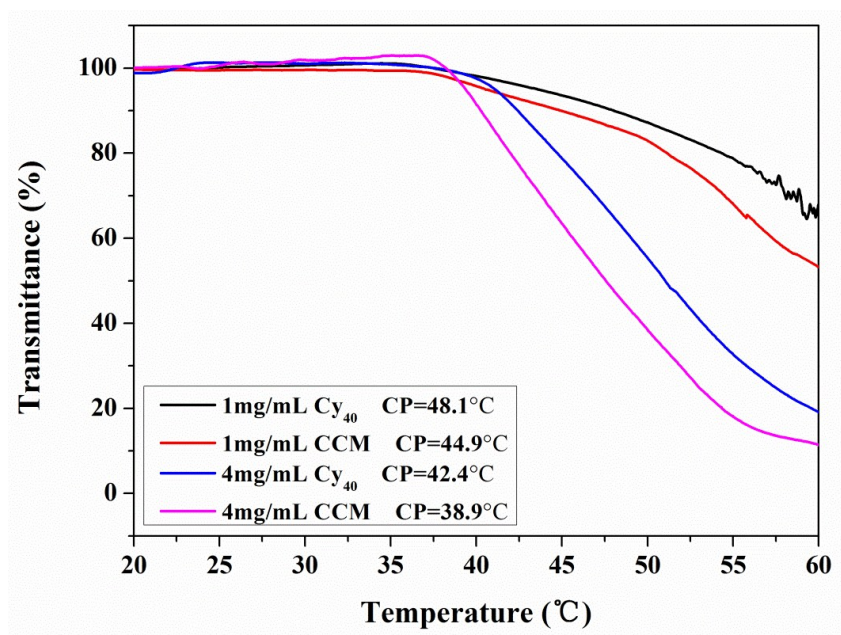


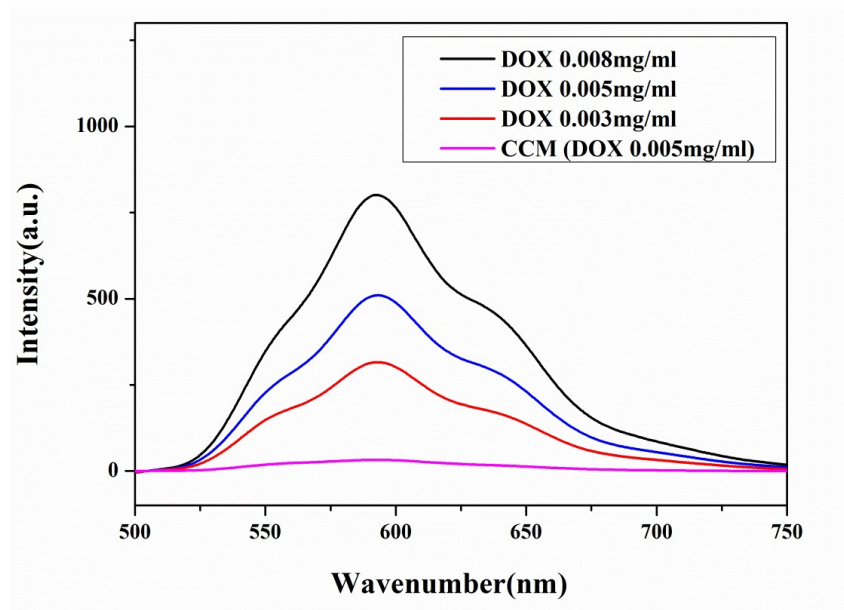
Fig. S1. FT-IR spectra of the polypeptides and the lyophilized CCMs.



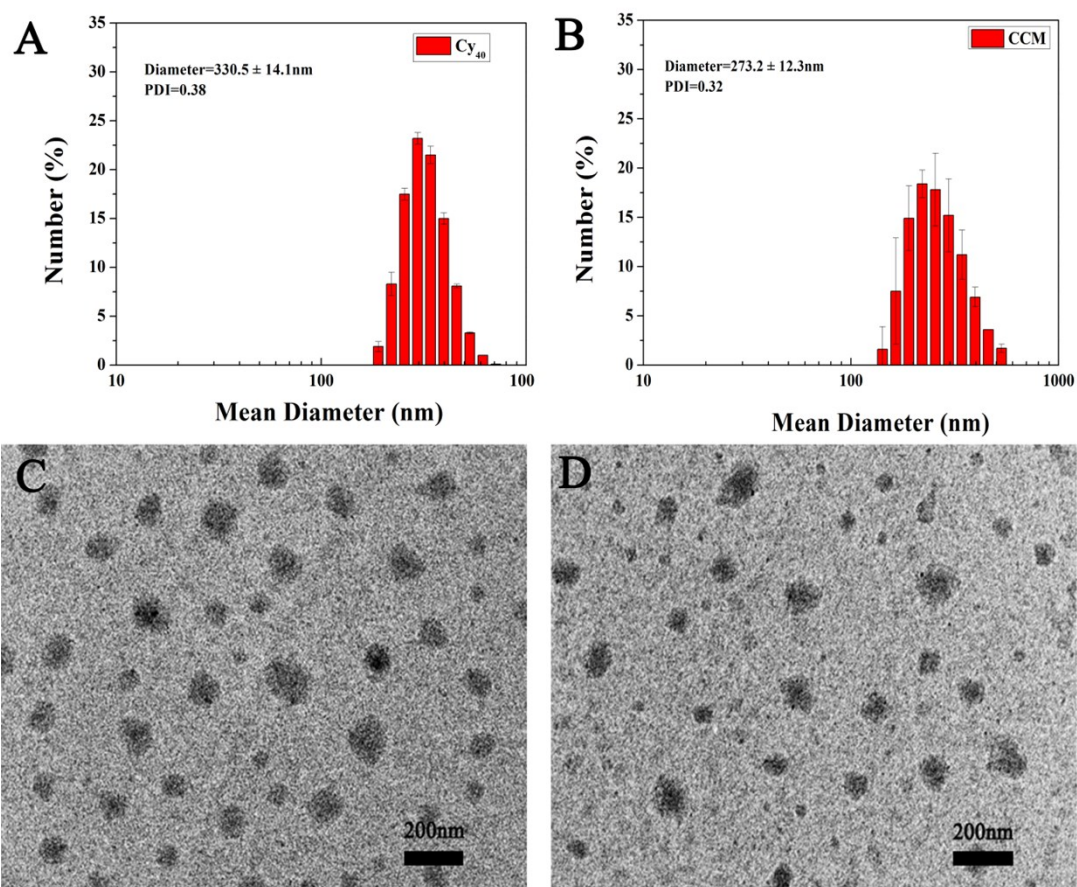
**Fig. S2.** TGA curves for Cy<sub>40</sub> and CCMs.



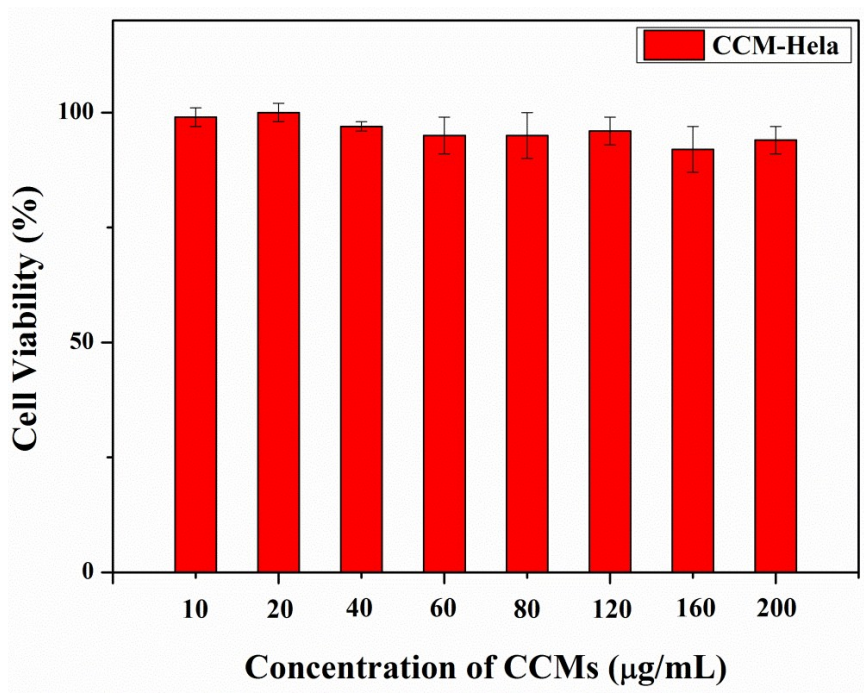
**Fig. S3.** The transmittance of Cy<sub>40</sub> or the CCMs as a function of temperature.



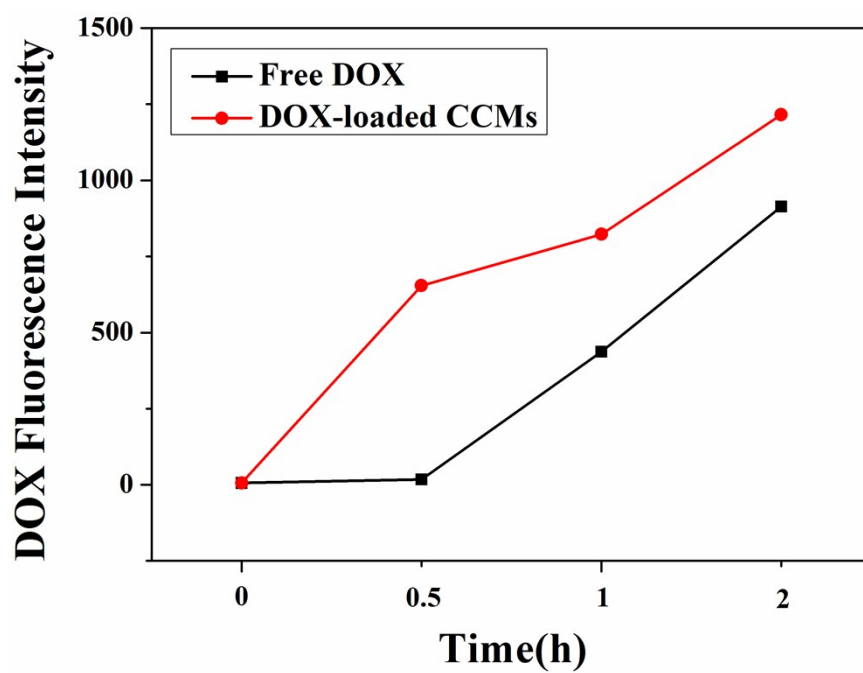
**Fig.S4.** Fluorescence spectra of DOX-loaded CCMs and free DOX in aqueous solution.



**Fig. S5.** DLS for DOX-loaded non-cross-linked micelles (A) and DOX-loaded CCMs (B); TEM of DOX-loaded non-cross-linked micelles (C) and DOX-loaded CCMs (D).

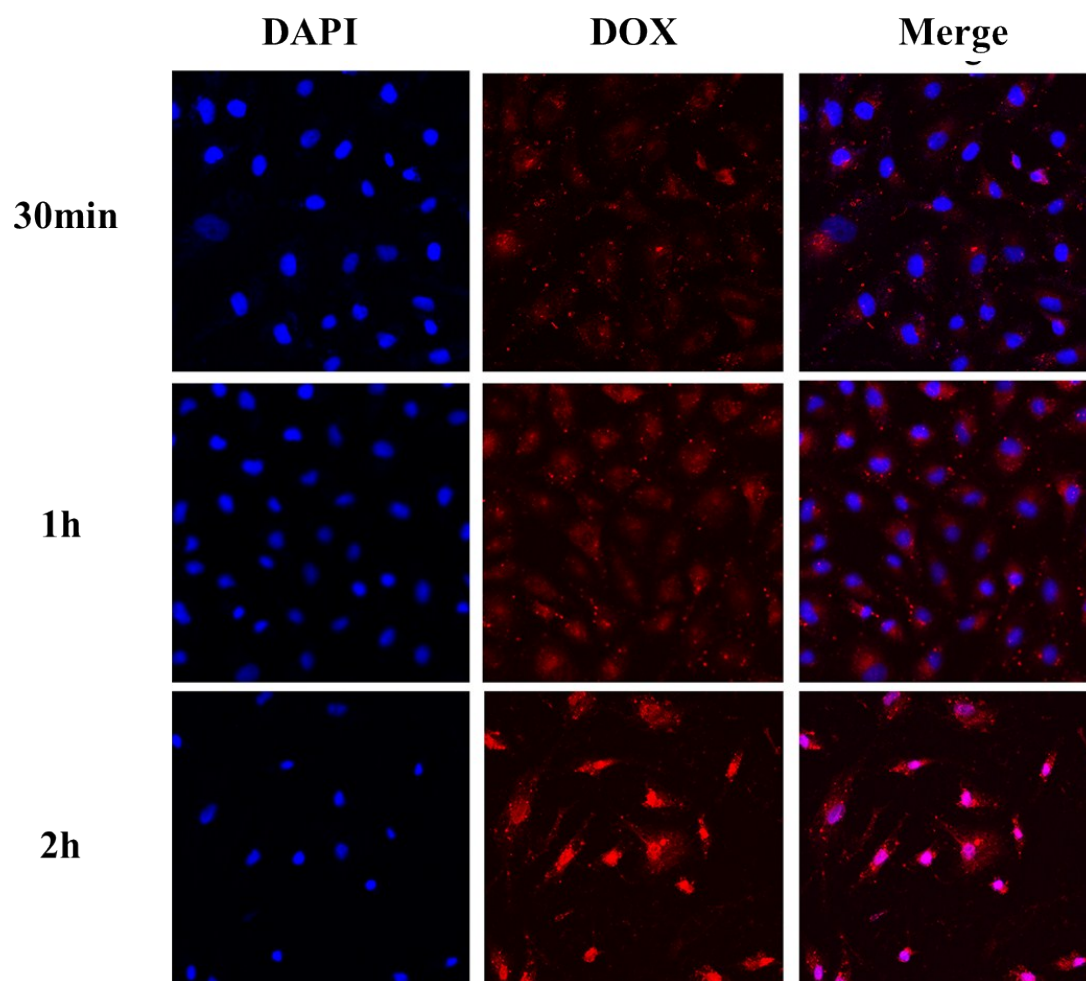


**Fig. S6.** Cytotoxicity of the CCMs with HeLa incubation for 48 h.



**Fig. S7.** The median fluorescence intensity of free DOX and DOX-loaded CCMs (DOX = 10 µg. mL<sup>-1</sup>) at different time intervals.





**Fig. S8.** CLSM images of the HeLa cells incubated with DOX-loaded CCMs at different time intervals.