Supporting Information

Dextran/Eudragit S-100 based Redox Sensitive Nanoparticles for Colorectal Cancer Therapy

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Table S1. Detailed analysis of Hydrodynamic diameter, PDI of various DEEU NP formulations along with their average value and standard deviations.

Sample	TDE: TEU	D_{Hyd} (nm)	D_{Hyd} (nm) (Average)	D_{Hyd} (nm) (Std. Dev.)	PDI	PDI (Average)	PDI (Std. Dev.)	−SH amount (µg thiol/mg NPs)
TDE	-	-	-	-	-	-	-	21
TEU	-	-	-	-	-	-	-	54
DEEU−1	1:0.25	450	479	25.40	0.46	0.59	0.35	2.6
		494			1.00			
		494			0.33			
DEEU −2	1:0.5	240	235	4.04	0.19	0.16	0.02	0.49
		233			0.15			
		233			0.15			
DEEU −3	1:0.75	428	419	10.96	0.46	0.44	0.03	2.0
		423			0.47			
		407			0.41			
DEEU −4	1:1	372	341	47.18	0.68	0.63	0.09	1.6
		365			0.52			
		287			0.69			

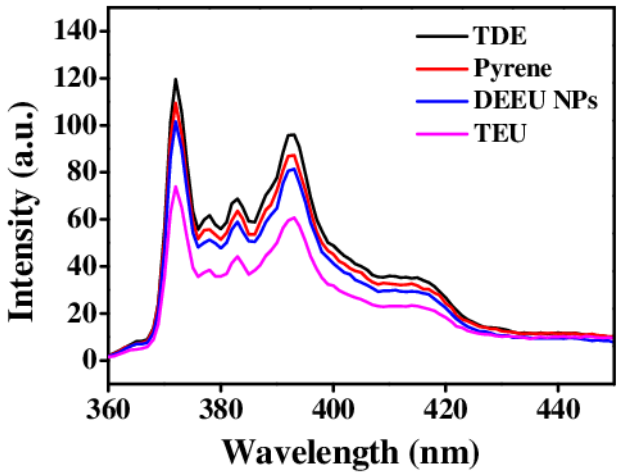

Figure S1. Fluorescence spectra of TEU (magenta), DEEU NPs (blue), pure pyrene (red), and TDE (black).

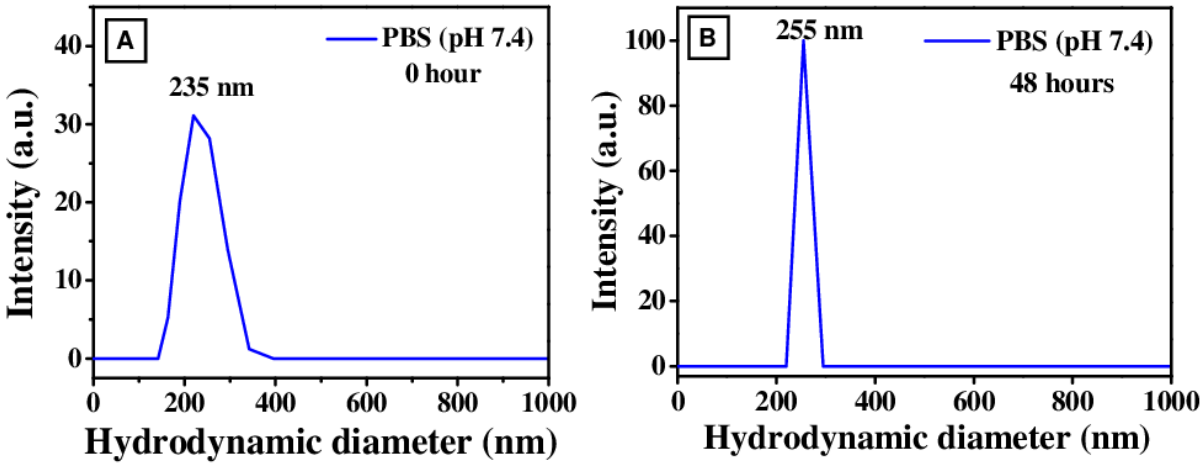

Figure S2. DLS size distribution curves of DEEU NPs in PBS, pH 7.4 at 0 h (a) and 48 h (b).

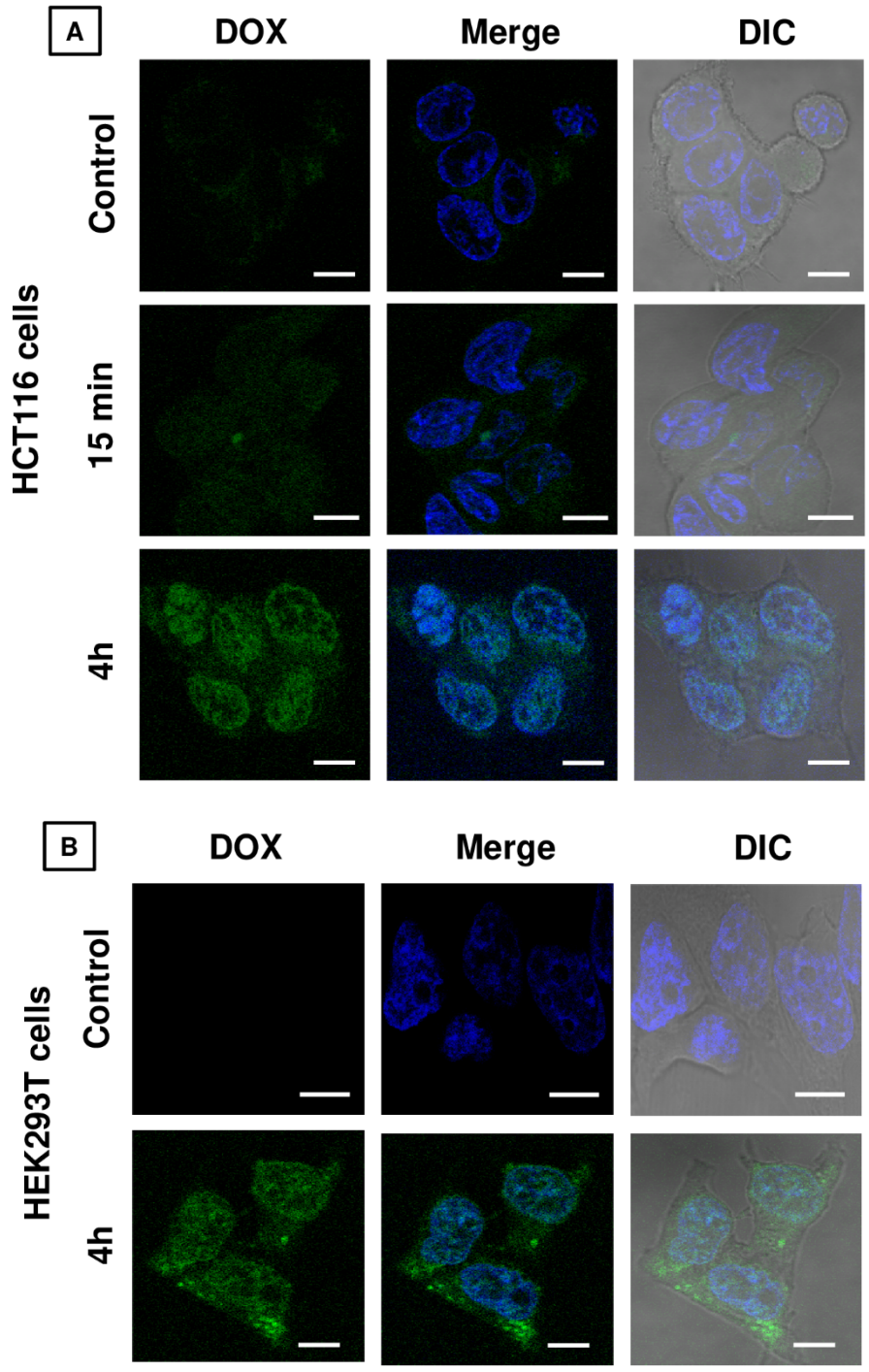

Figure S3. Cellular uptake of free DOX in HCT116 cells after 15 min and 4 h (A); in HEK293T cells after 4 h (B). Scale bars correspond to 100 μm.

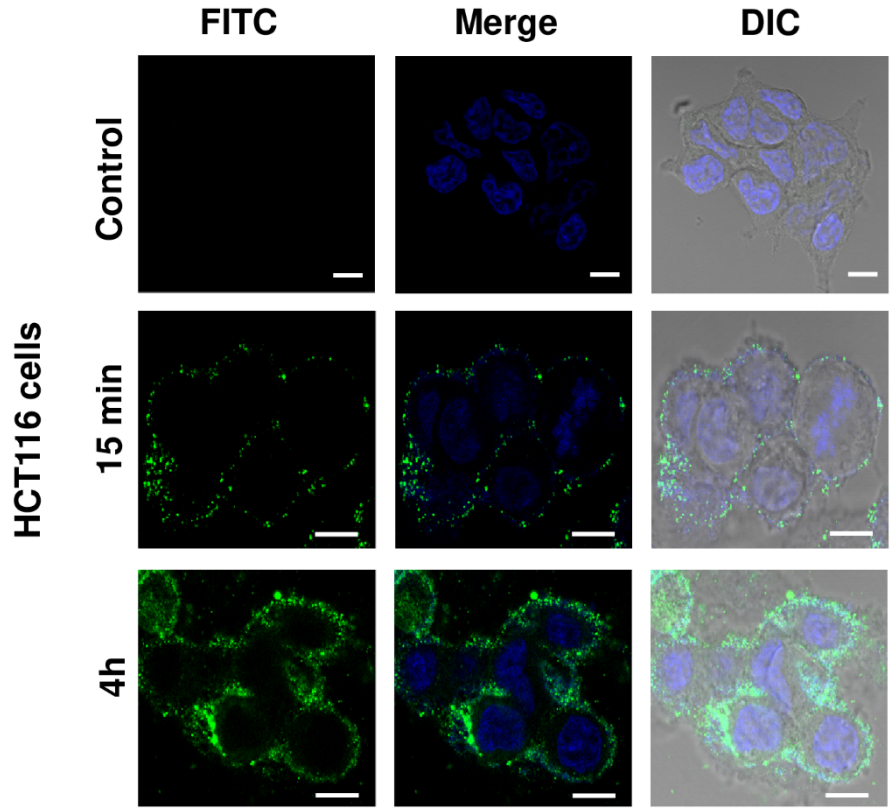

Figure S4. Cellular uptake of pure DEEU NPs in HCT116 cells after 15 min and 4 h. Scale bars correspond to 100 µm.