Electronic Supplementary Material (ESI) for Polymer Chemistry.

Supporting Information

Oxidation and ATP Dual-Responsive Block Copolymer Containing Tertiary Sulfoniums: Self-Assembly, Protein Complexation and Triggered Release

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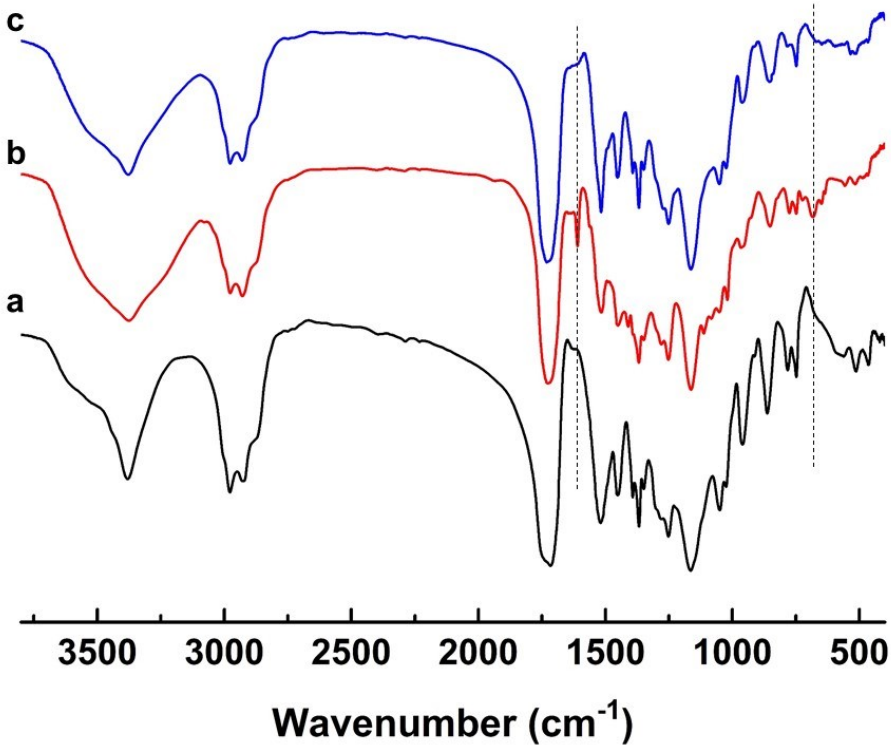

Fig. S1 FTIR spectra of (a) PEG_{45}-*b*-P(Boc-METMA)$_{32}$, (b) PEG_{45}-*b*-P(METMA/PBA_{29})$_{32}$, and (c) PEG_{45}-*b*-P(METMA/PBA_{29})$_{32}$ after 24 h of incubation with H_2O_2.

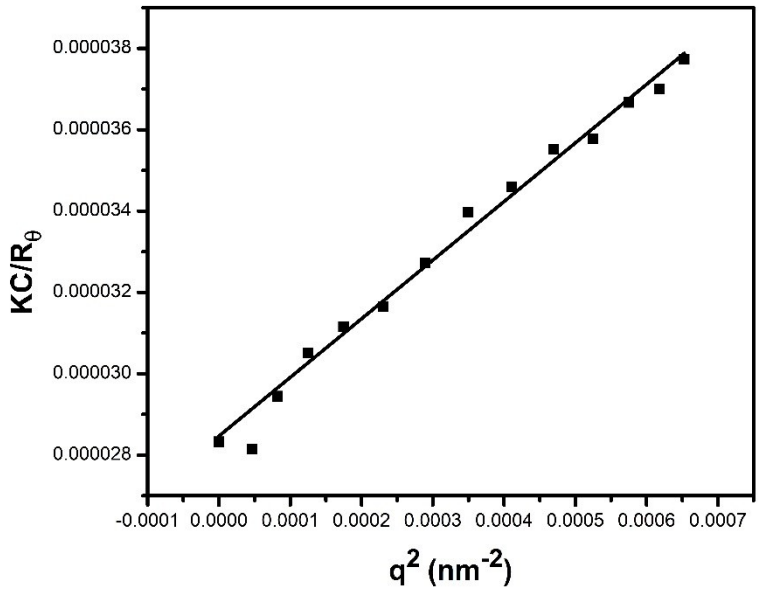

Fig. S2 KC/R_θ vs the square of the scattering vector (q^2) for PEG_{45}-*b*-P(METMA/PBA_{29})$_{32}$ micelles.

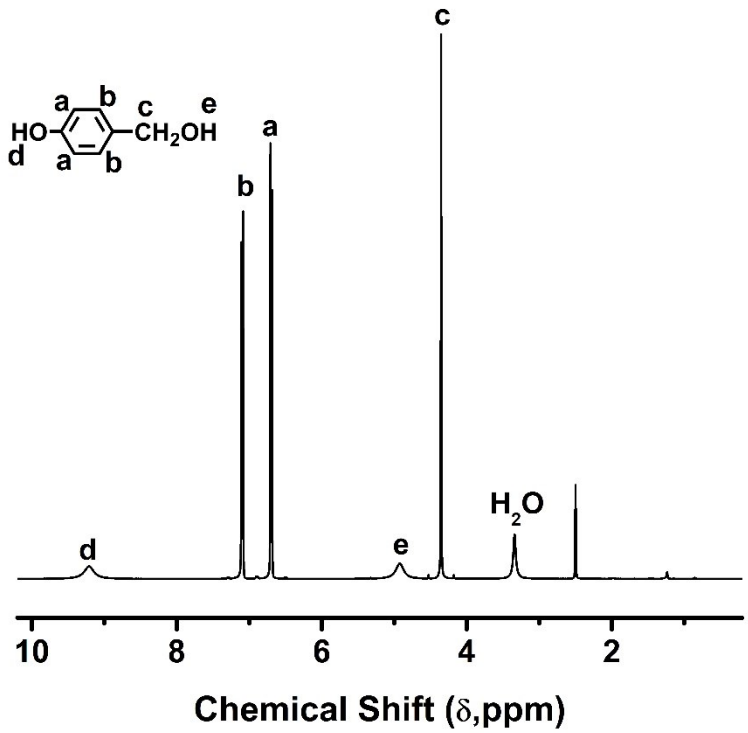

Fig. S3 ^{1}H NMR spectrum of 4-hydroxybenzyl alcohol in d_6-DMSO.

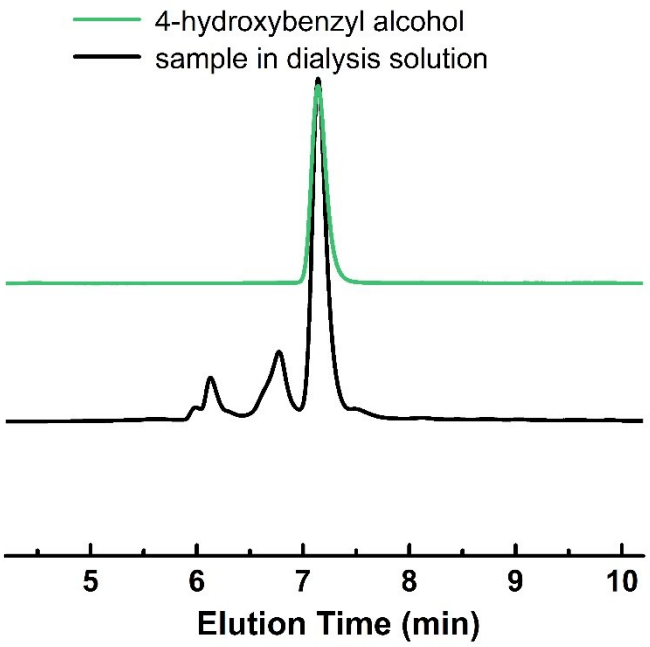

Fig. S4 HPLC analysis of the sample in the dialysis solution of the PEG_{45}-*b*-$P(METMA/PBA_{29})_{32}$ micelles after reaction with H_2O_2 for 15 min.

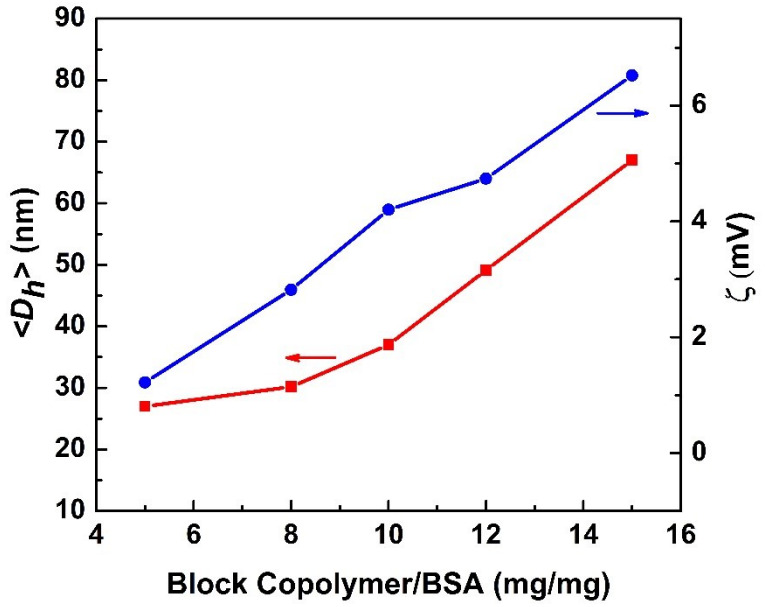

Fig. S5 Dependence of the size and ζ potential of BSA-entrapped micelles on mass ratio of PEG_{45}-*b*-$P(METMA/PBA_{29})_{32}$ to BSA.

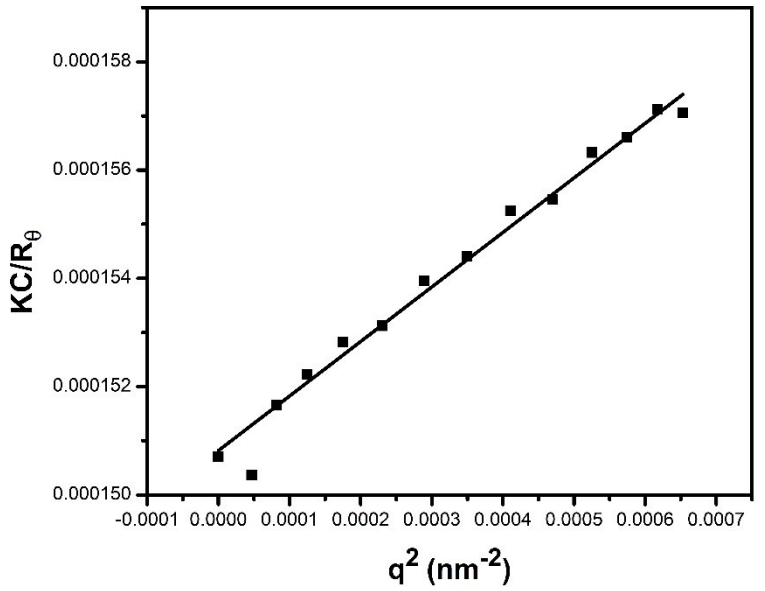

Fig. S6 KC/R_θ vs the square of the scattering vector (q^2) for BSA10-micelles.

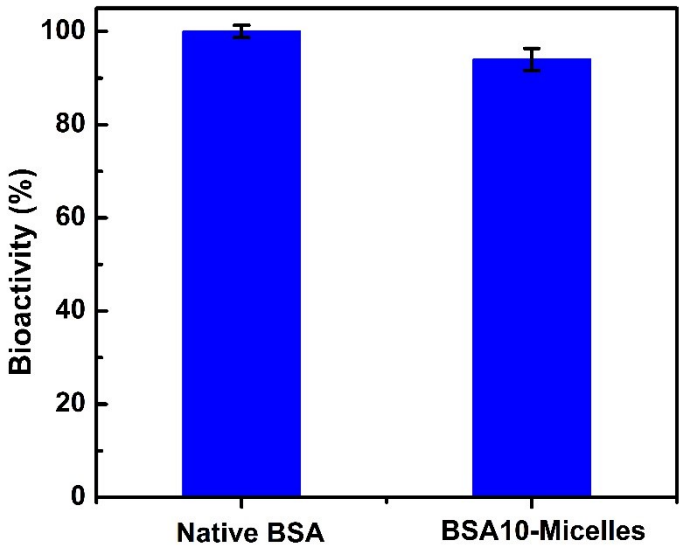

Fig. S7 Esterase-like activities of native BSA and the BSA10-micelles.