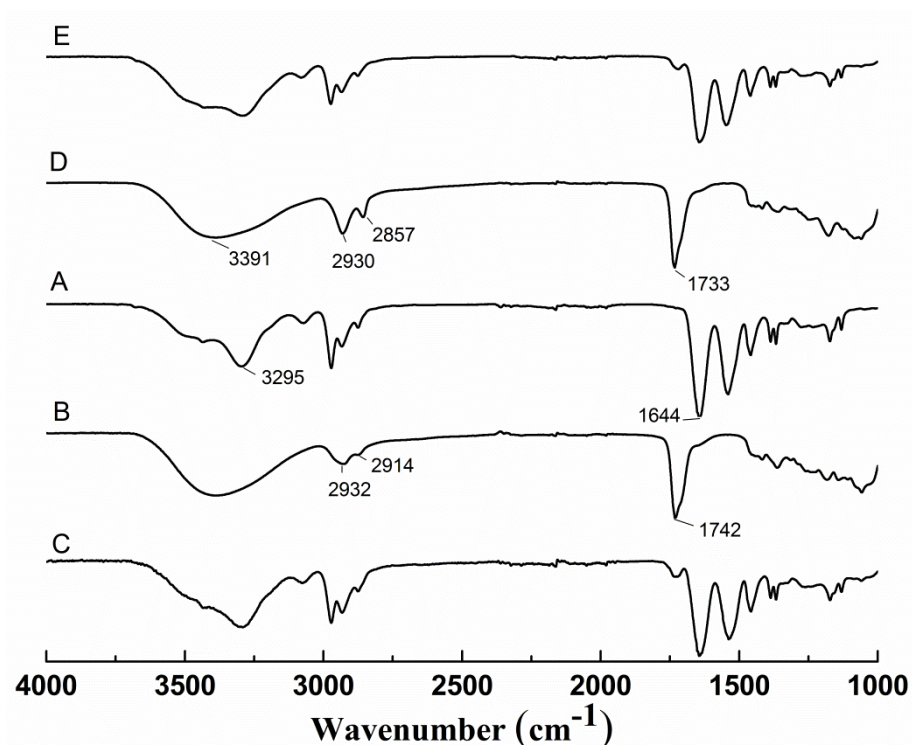
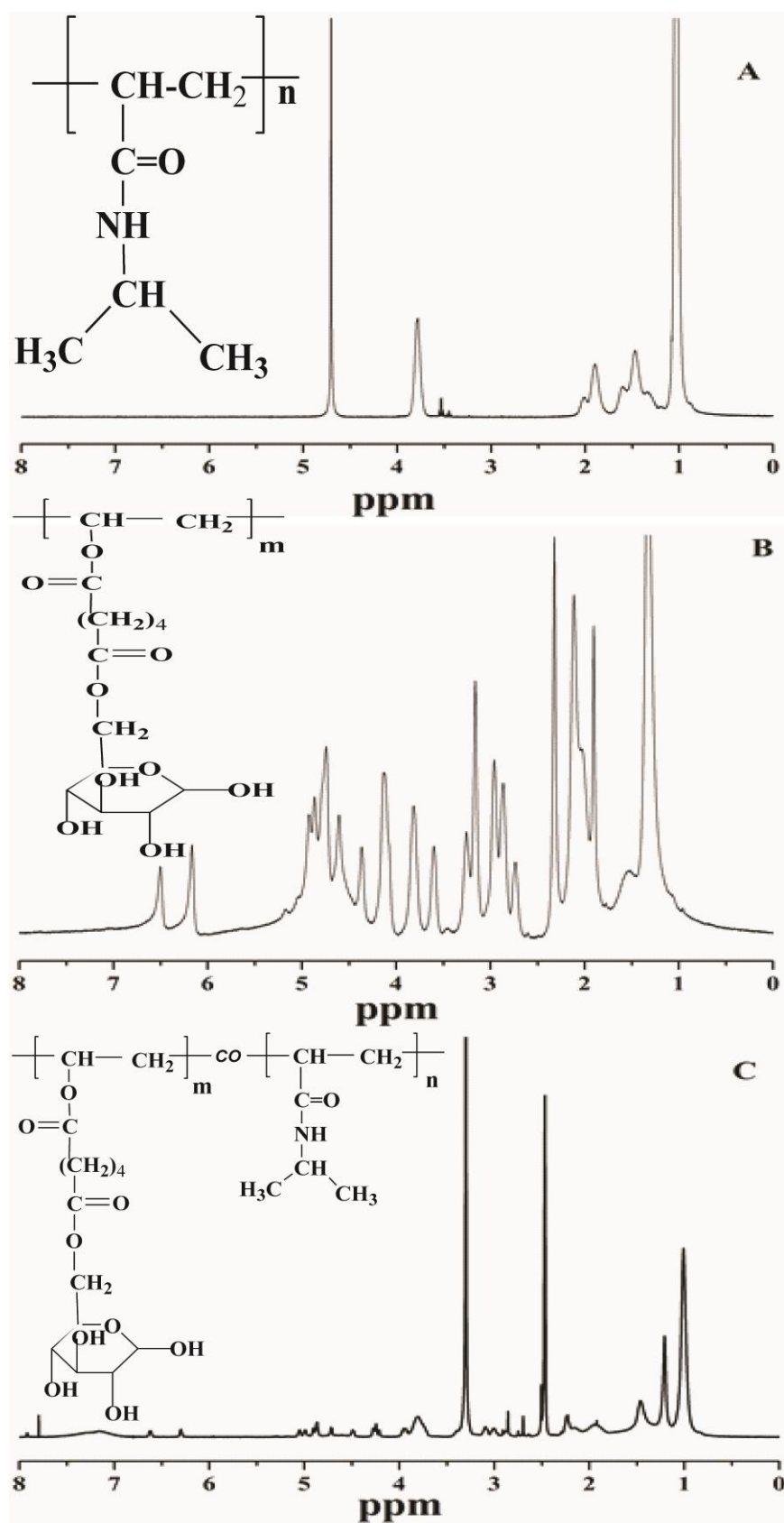


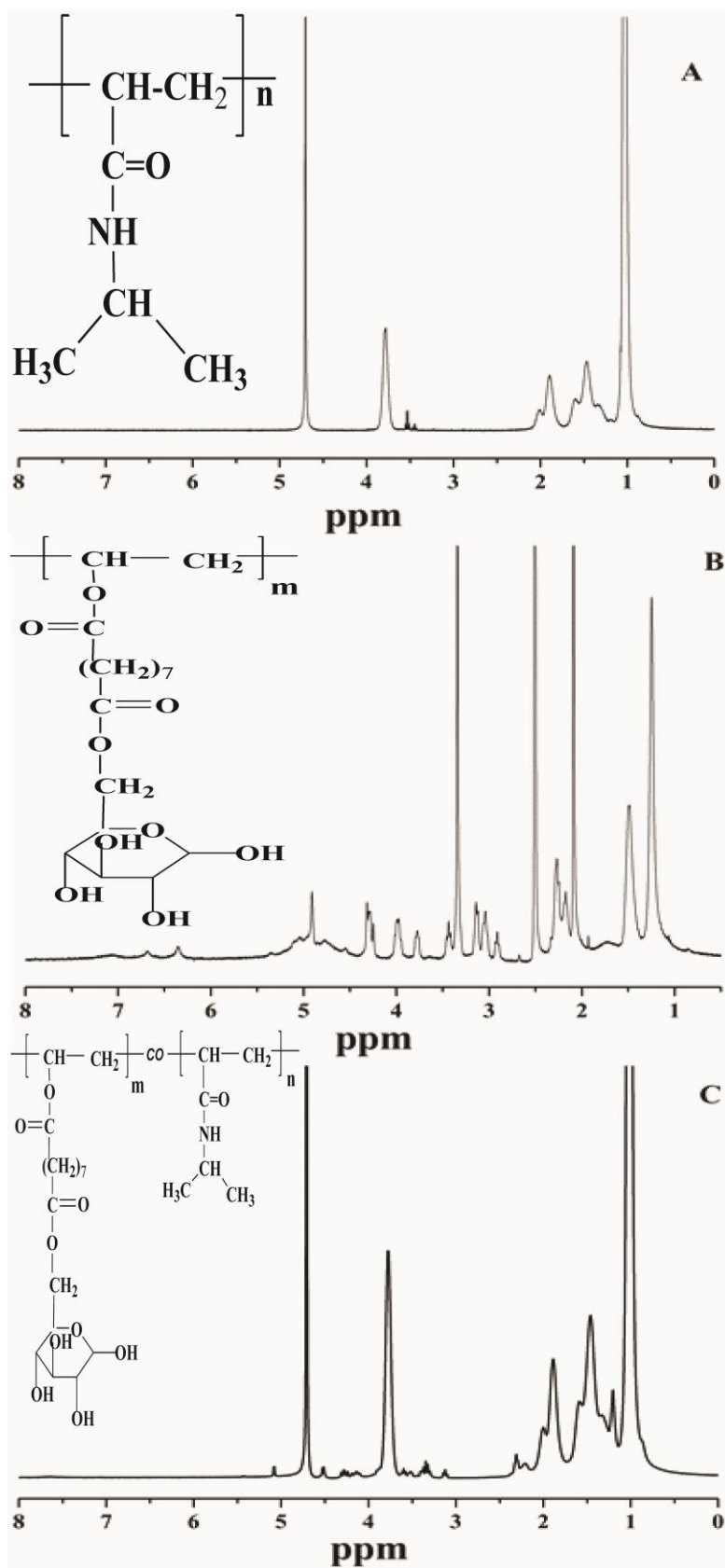
Figure S1:



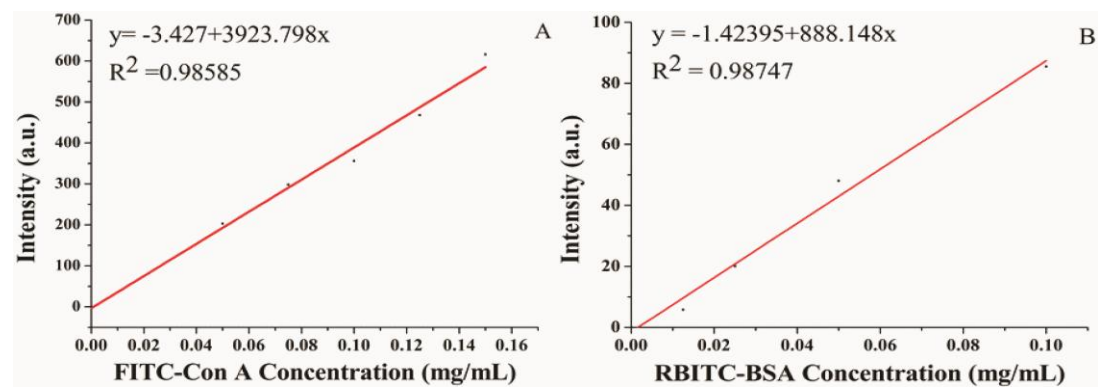
**Figure S1.** Infrared spectra of (A) PNIPAM; (B) Poly-OVDG; (C) PND-2 (OVDG: NIPAM ratio 1:10); (D) Poly-OVZG; (E) PNZ-1 (OVZG: NIPAM ratio 1:7).



**Figure S2.**  $^1\text{H}$  NMR spectra of (A) PNIPAM; (B) Poly-OVDG; (C) PND-3 (OVDG: NIPAM ratio 1:15).



**Figure S3.**  $^1\text{H}$  NMR spectra of (A) PNIPAM; (B) Poly-OVZG; (C) PNZ-1 (OVZG : NIPAM ratio 1:7).



**Figure S4.** Calibration curve of (A): FITC-Con A; (B): RBITC-BSA