Electronic Supplementary Information (ESI)

Synthesis and volume phase transition of concanavalin A-based glucose-responsive nanogels

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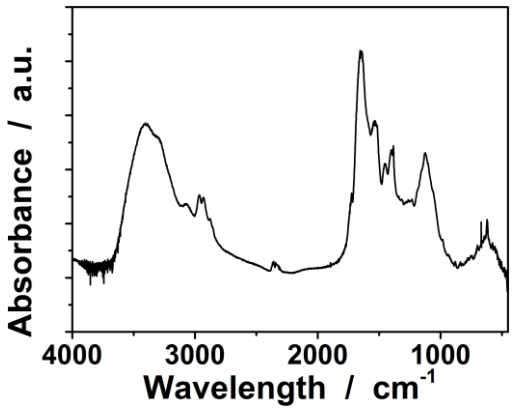

Fig. S1 FTIR spectrum of the ConA@poly(NIPAM) nanogels.

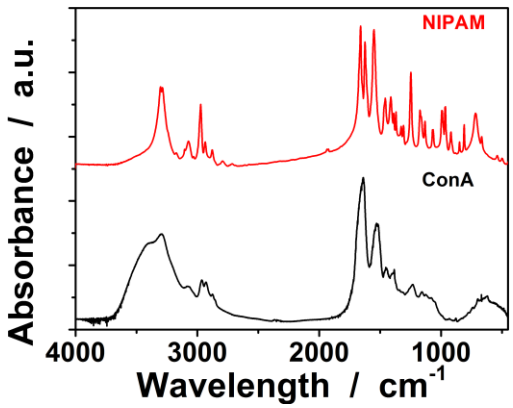

Fig. S2 FTIR spectra of NIPAM and ConA.

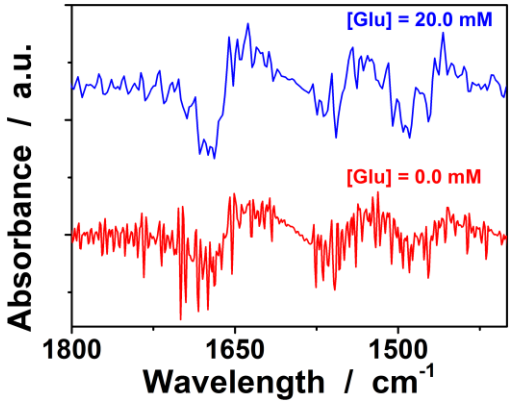

Fig. S3 FTIR spectra, after resolution enhancement by first derivation, of the ConA@poly(NIPAM) nanogels in the absence (0.0 mM) and presence (20.0 mM) of glucose.

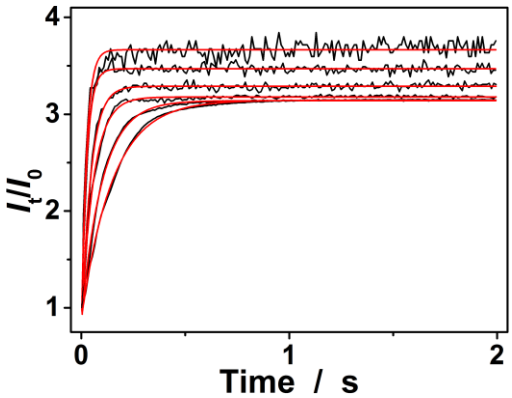

Fig. S4 Variation in the I_t/I_0 for the ConA@poly(NIPAM) nanogels upon adding glucose (red lines: 1st-order kinetic fits).

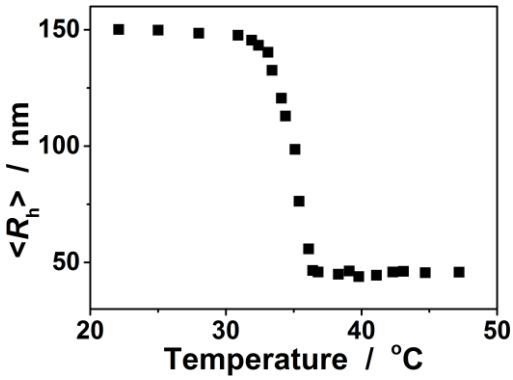

Fig. S5 Temperature-dependent $<R_h>$ values. All measurements were made in 5.0 mM PBS of pH = 7.4.