Supporting Information

Sugar-Installed Thermoresponsive Micellar Aggregates
Self-Assembled from “Coil-Comb-Coil” Triblock Glycopolymers:
Preparation and Recognition with Concanavalin A

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$^1$H NMR spectra of PMAIpGlc Macro CTA, Diblock copolymer and Triblock copolymer

Figure S1. $^1$H NMR spectra of (A) PMAIpGlc$_{23}$ homopolymer, (B) PMAIpGlc$_{23}$-b-PHEMA$_{13}$ diblock copolymer and (C) PMAIpGlc$_{23}$-b-PHEMA$_{13}$-b-PNIPAM$_{68}$ triblock copolymer.

The $DP_n$ of PMAIpGlc was determined from relative intensities of the MAIpGlc
repeat unit signals at \( \delta 5.8 \) ppm (anomeric proton) and the signals at 7.4-8.0 ppm of CTA end group (aromatic protons) (Figure S1, curve A). For diblock copolymer PMAIpGlc-\( b \)-PHEMA, the \( D_{\text{P}}n \) of PHEMA block was calculated by comparing the relative intensities of signal at \( \delta 3.6 \) ppm (O-CH\(_2\)-CH\(_2\)-OH) with that of PMAIpGlc at \( \delta 5.8 \) ppm (Figure S1, curve B). Because of the overlap of NIPAM repeat unit signals at \( \delta 3.82 \) ppm (-CH(CH\(_3\))\(_2\)) with PMAIpGlc and PHEMA signals (Figure S1, curve C), the \( D_{\text{P}}n \) of PNIPAM block was determined based on the integration area of signals at \( \delta 5.8 \) ppm and signals from \( \delta 3.7 \)-4.4 ppm. The characteristics of PMAIpGlc-\( b \)-PHEMA-\( b \)-PNIPAM linear triblock copolymers are listed in Table 1.

**CMC Determination of PMAGlc\(_{23}\)-\( b \)-P(HEMA-\( g \)-PCL\(_{32}\))\(_{14}\)-\( b \)-PNIPAM\(_{59}\) Triblock Copolymer**

![Figure S2](image)

Figure S2. Excitation spectra of pyrene as a function of PMAGlc-\( b \)-P(HEMA-\( g \)-PCL\(_{32}\))\(_{14}\)-\( b \)-PNIPAM concentration in water. (Sample PMAGlc\(_{23}\)-\( b \)-P(HEMA-\( g \)-PCL\(_{32}\))\(_{14}\)-\( b \)-PNIPAM\(_{59}\), \( \lambda_{\text{em}}=390 \) nm).
Figure S3. Dependence of the fluorescence spectra of FTIC-Con A on the concentrations of different glycopolymers ($\lambda_{ex}$=490 nm). (A) PMAGlc$_{23}$-b-P(HEMA-g-CL)$_{14}$-b-PNIPAM$_{59}$, (B) PMAGlc$_{35}$-b-P(HEMA-g-CL)$_{15}$-b-PNIPAM$_{109}$ and (C) PMAGlc$_{35}$ homopolymer in PBS (pH 7.4).