

Electronic Supporting Information (ESI)

Oppositely Charged, Stimuli-Responsive Anisotropic Nanoparticles for Colloidal Self-Assembly

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S1-S3 and 2 Figures

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The supporting information contains two Figures to show GPC traces of different ternary copolymers and CLSM images of ANPs with temperature responsiveness. Figure S1 shows the GPC traces of (a) poly(NIPAM-*co*-SA-*co*-AAc) and (b) poly(NIPAM-*co*-SA-*co*-AAM) with 96.5:3.0:0.5 and 96:3:1 feed molar ratios of NIPAM, SA, and AAc or AAM. Figure S2 represents the CLSM images of ANPs with a 96.5:3.0:0.5 feed molar ratio in PBS at 25 °C and 37 °C.

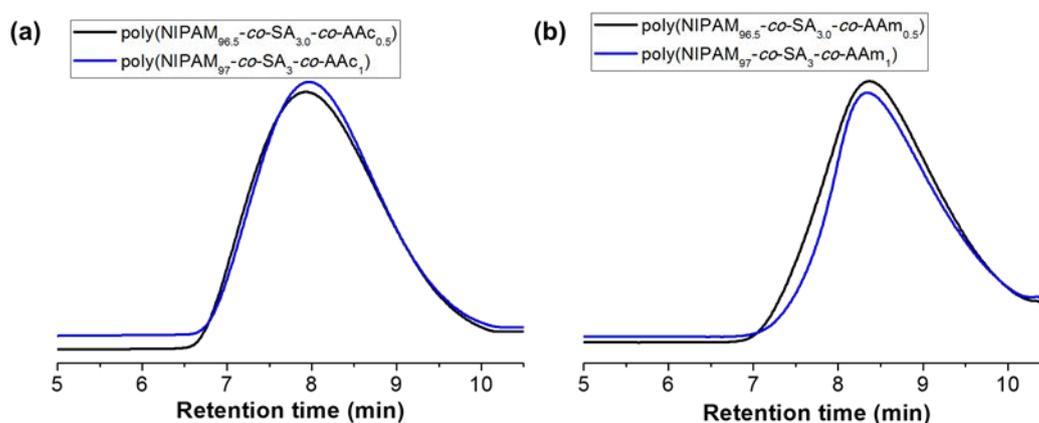


Figure S1. GPC traces of (a) poly(NIPAM-*co*-SA-*co*-AAc) and (b) poly(NIPAM-*co*-SA-*co*-AAM) with 96.5:3.0:0.5 and 96:3:1 feed molar ratios of NIPAM, SA, and AAc or AAM.

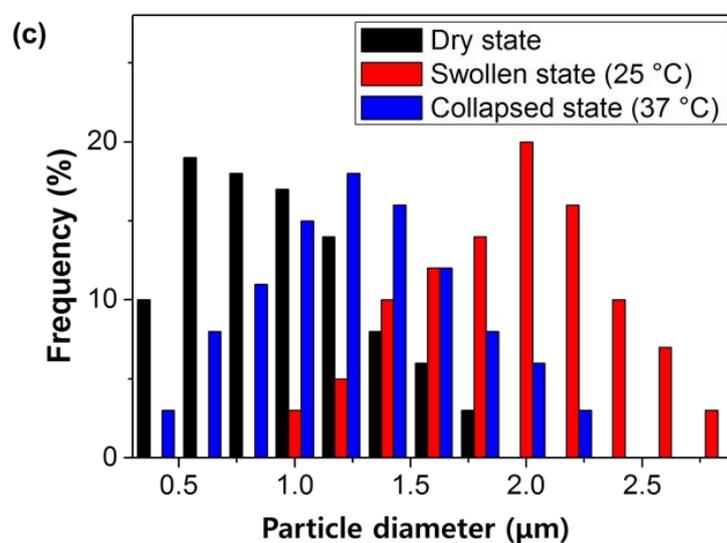
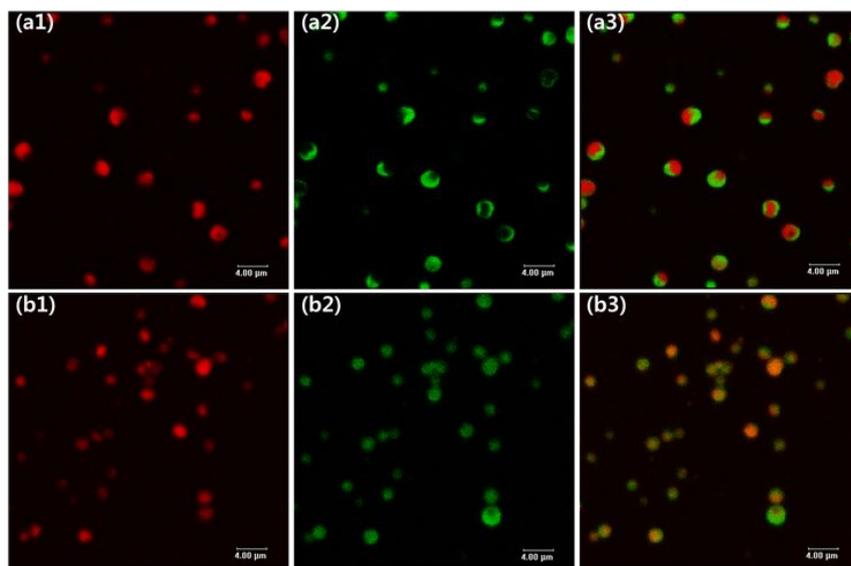


Figure S2. CLSM images of ANPs with a 96.5:3.0:0.5 feed molar ratio in PBS at (a) 25 °C and (b) 37 °C. The poly(NIPAM-*co*-SA-*co*-AAc) and poly(NIPAM-*co*-SA-*co*-AAm) compartments are shown with fluorescent signals of (a1-b1) Nile red and (a2-b2) fluorescein, respectively. The two oppositely charged compartments are shown using a merged channel in (a3-b3). Scale bars are 4 μm in all figures. (c) Size distributions of ANPs with a 96.5:3.0:0.5 feed molar ratio of monomers, in a dry state and in PBS as a swollen state, at 25 °C and 37 °C.