

Supporting Information

Design of Environmentally Responsive Fluorescent Polymer Probes for Cellular Imaging

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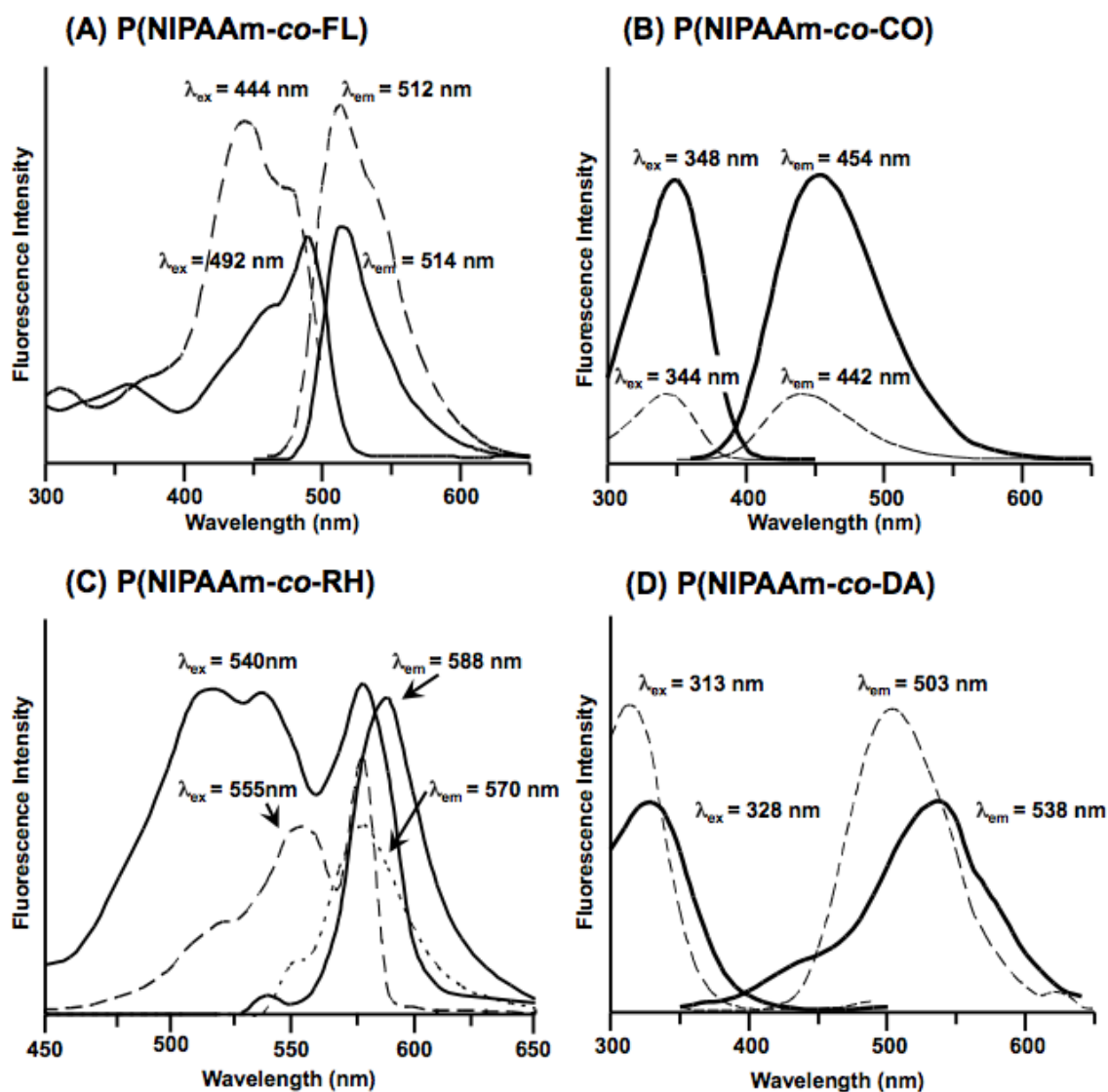


Figure S1. Excitation and fluorescence spectra of fluorescence polymers (solid line) and their parent fluorophores (dashed line) at 25 °C. (A) P(NIPAAm-co-FL) and FL, (B) P(NIPAAm-co-CO) and CO, (C) P(NIPAAm-co-RH) and RH, and (D) P(NIPAAm-co-DA) and DA, measured in aqueous solution. λ_{ex} = excitation maximum wavelength, λ_{em} = emission maximum wavelength.

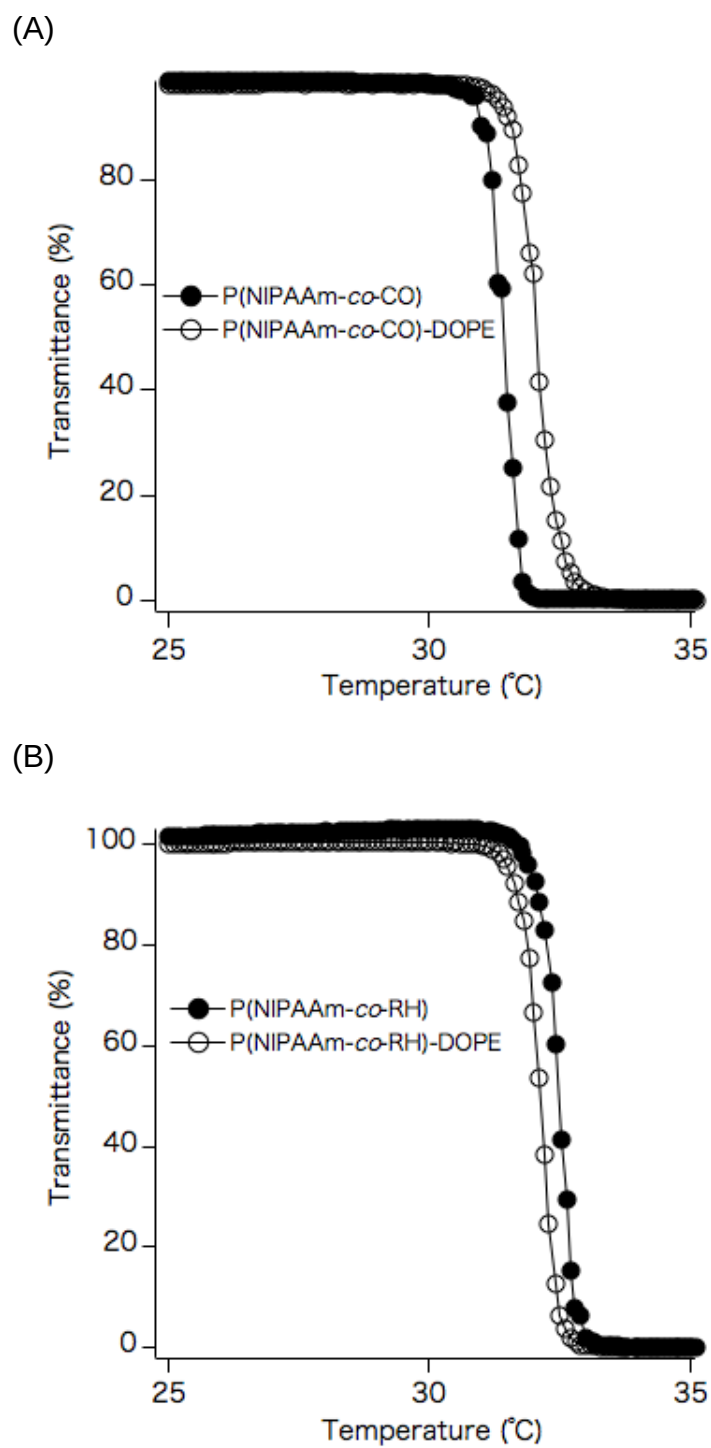


Figure S2. Temperature-dependent optical transmittance of (A) P(NIPAAm-co-CO) and P(NIPAAm-co-CO)-DOPE (B) P(NIPAAm-co-RH) and P(NIPAAm-co-RH)-DOPE in aqueous solution (0.5%w/v).

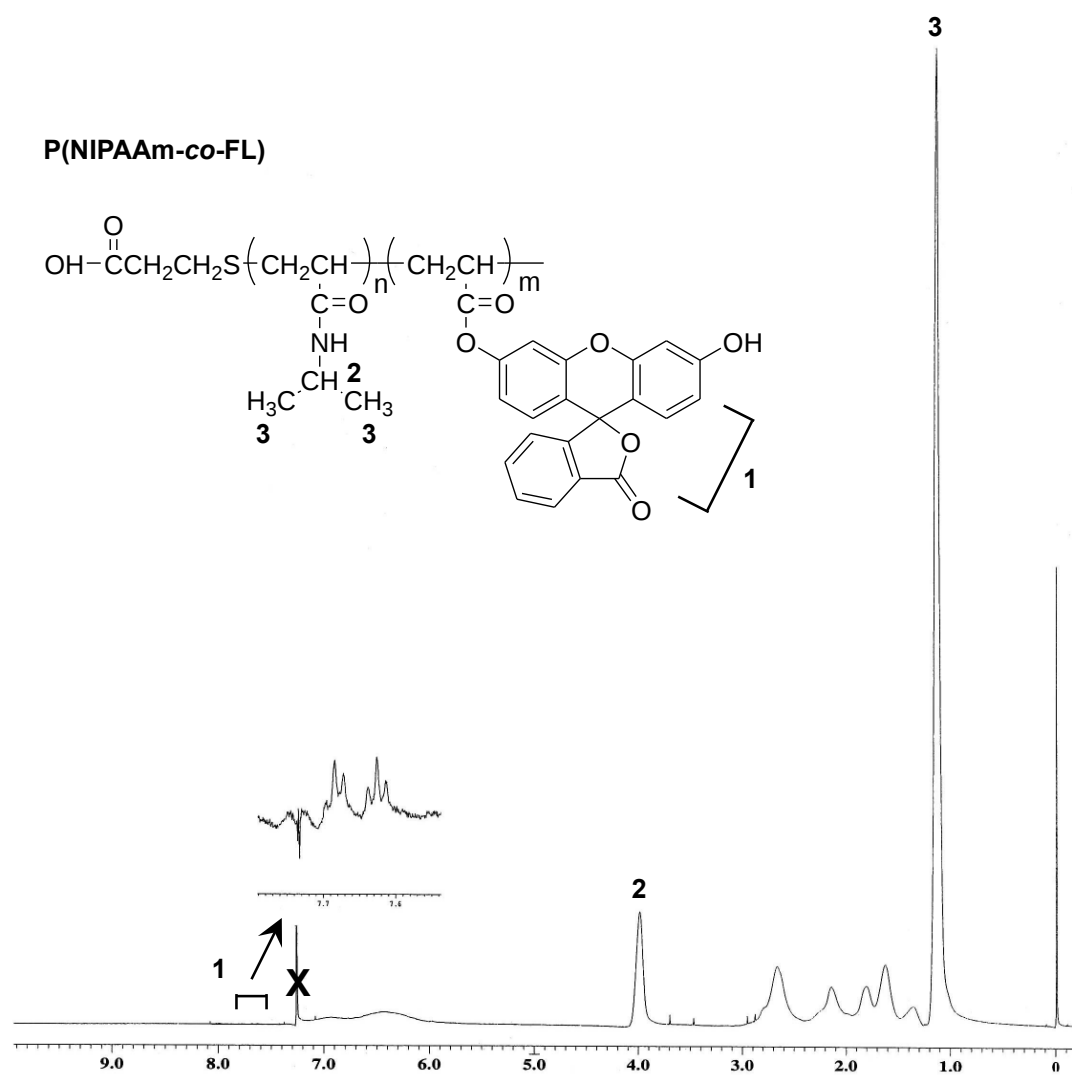


Figure S3. ^1H NMR spectrum (600 MHz, 25 °C) of P(NIPAAm-co-FL) in CDCl_3 .

P(NIPAAm-co-CO)

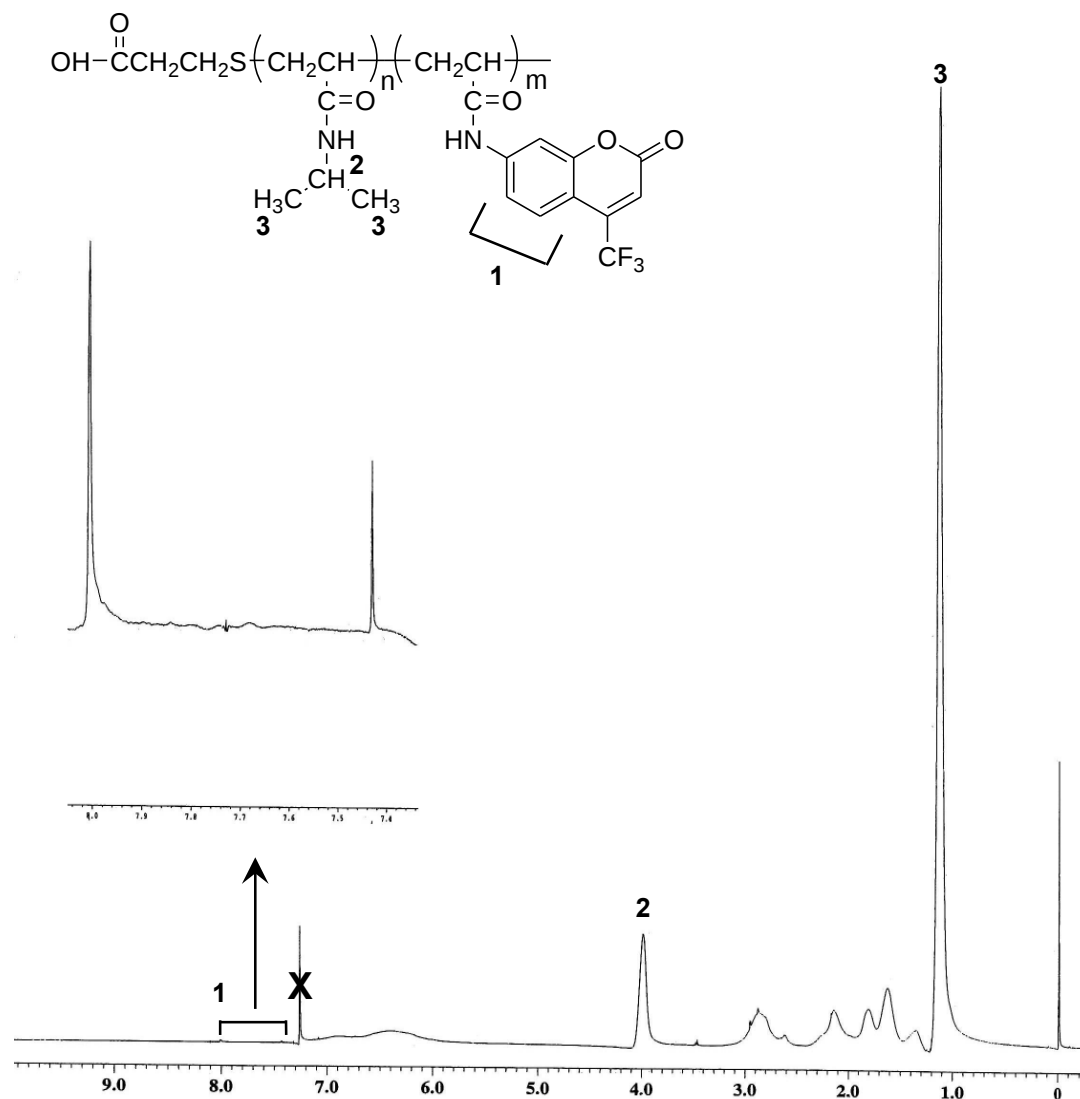


Figure S4. ¹H NMR spectrum (600 MHz, 25 °C) of P(NIPAAm-co-CO) in CDCl_3 .

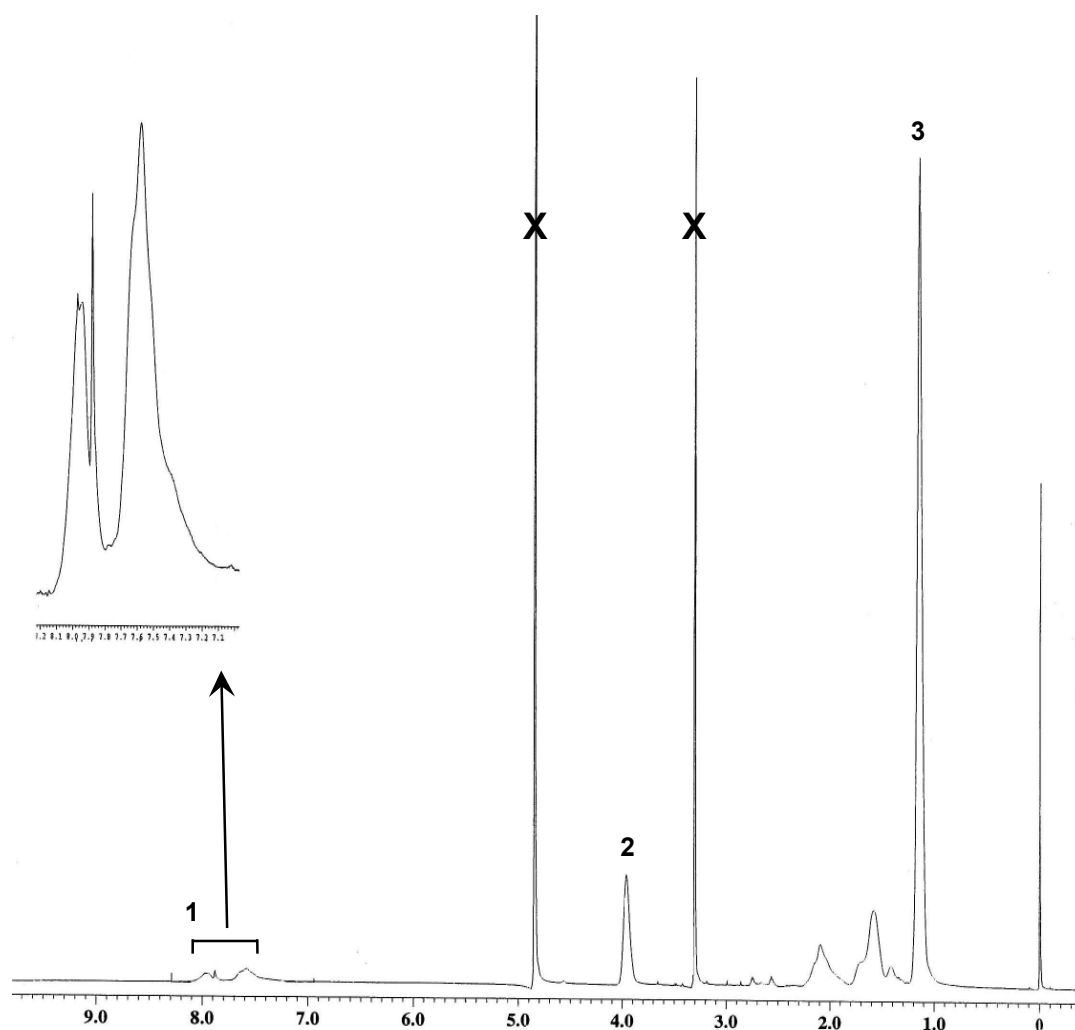
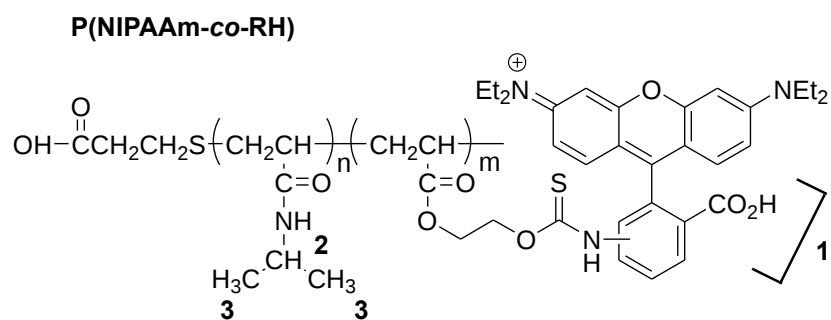


Figure S5. ^1H NMR spectrum (600 MHz, 25 $^\circ\text{C}$) of P(NIPAAm-co-RH) in CDCl_3 .

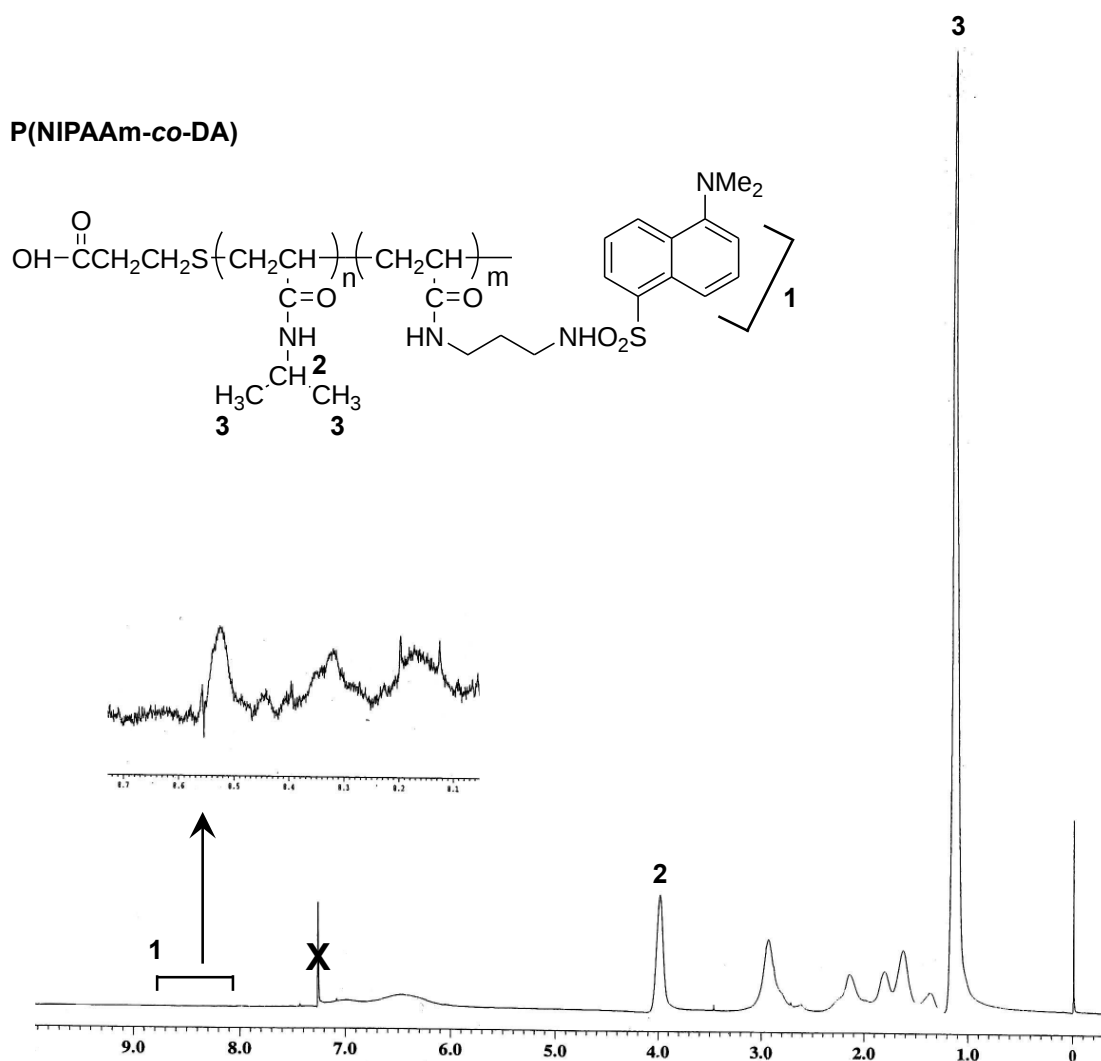


Figure S6. ^1H NMR spectra (600 MHz, 25 °C) of P(NIPAAm-co-DA) in CDCl_3 .