

SUPPLEMENTARY MATERIAL

Responsive P(NIPAM-co-AA) Particles Functionalized Magnetic Microspheres

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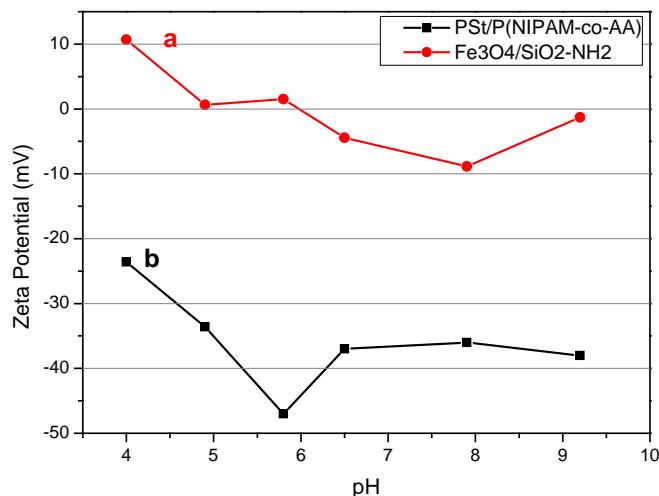


Figure S1. pH dependence of the ζ -potential of (a) amino-modified $\text{Fe}_3\text{O}_4@\text{SiO}_2$ particles and (b) PSt/P(NIPAM-AA) nano particles.

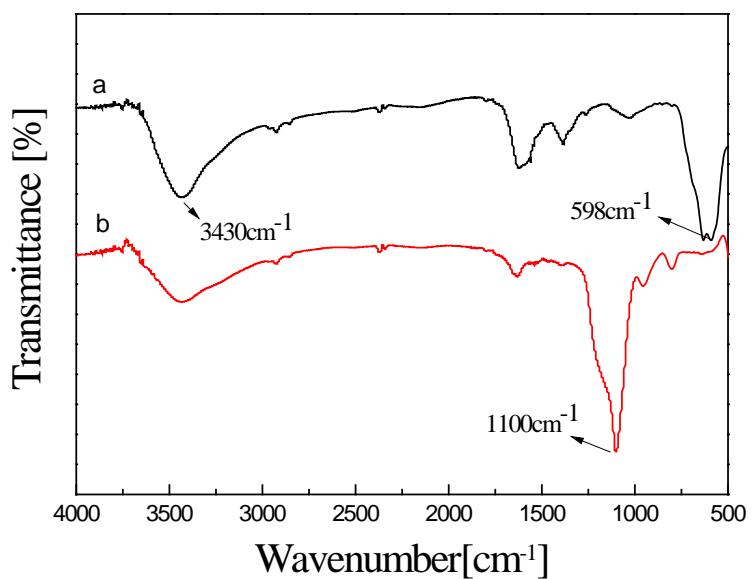


Figure S2. FTIR spectrums of (a) citrate-modified Fe_3O_4 and (b) amino-modified $\text{Fe}_3\text{O}_4@\text{SiO}_2$ particles

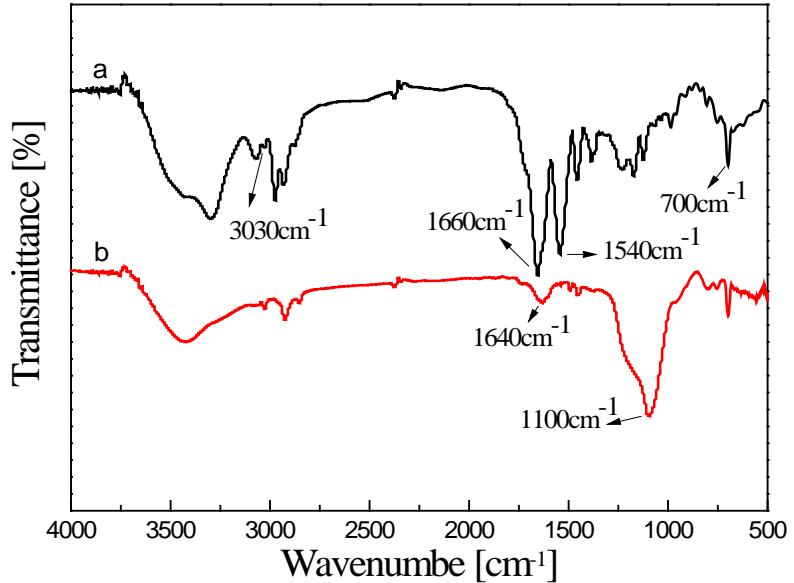


Figure S3. FTIR spectrum of (a) PSt/P(NIPAM-co-AA) nano particles and (b) PSt/P(NIPAM-co-AA)/ $\text{Fe}_3\text{O}_4@\text{SiO}_2$ microspheres

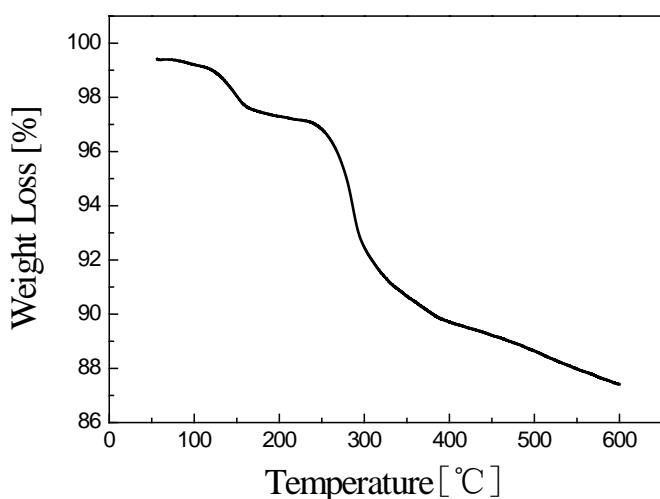


Figure S4. TGA curve of citrate-modified Fe_3O_4 nano particles.

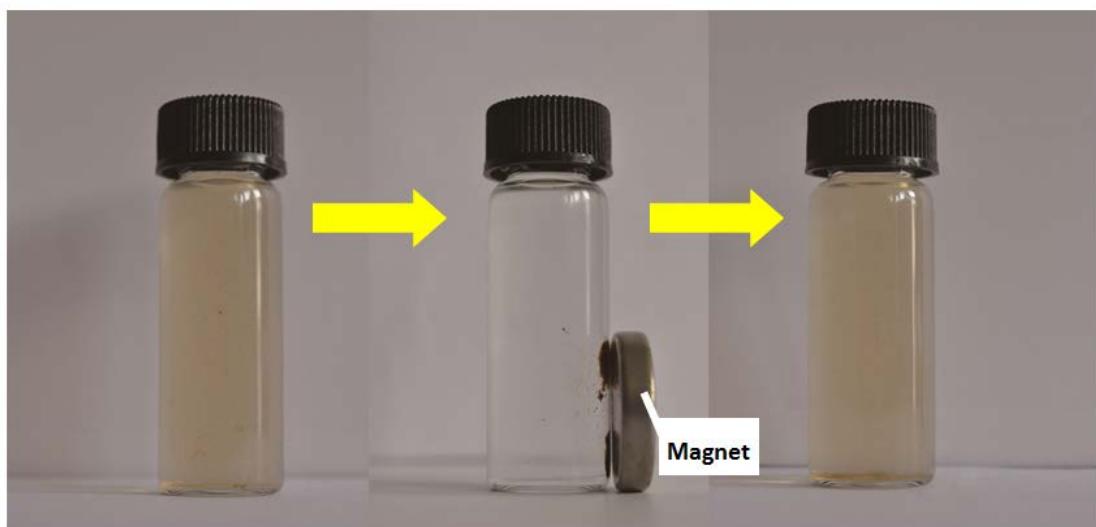


Figure S5. Separation and redispersion of magnetic PSt/P(NIPAM-co-AA)/ $\text{Fe}_3\text{O}_4@\text{SiO}_2$ microspheres in the presence of an external magnetic field.