Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Temperature-sensitive Carbon Dots Derived from Poly(N-isopropylacrylamide) for Fluorescence On-off Properties

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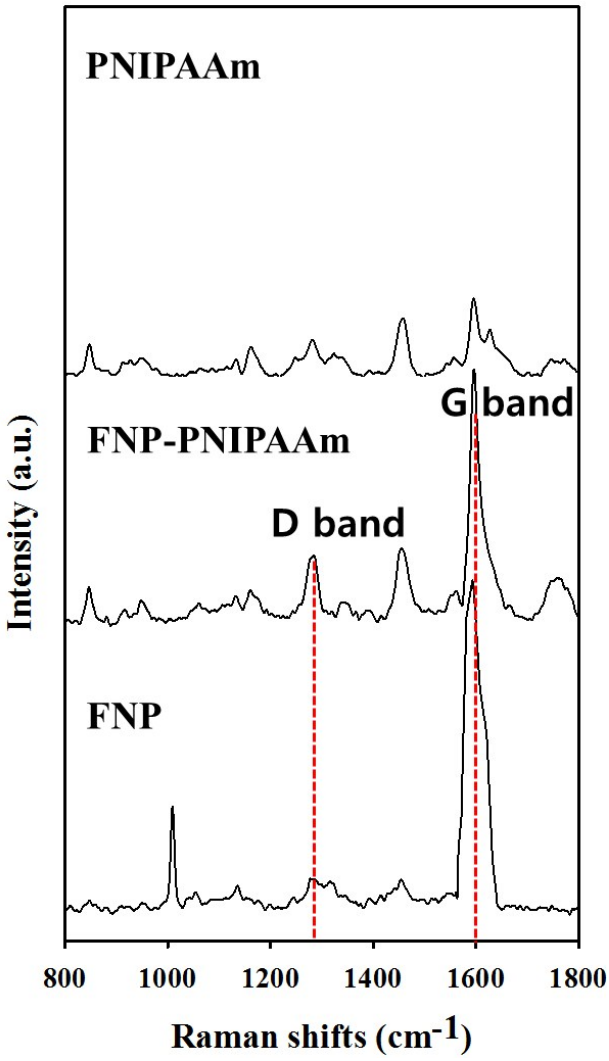

Fig S1. Raman shift (cm $^{-1}$) of G/D bands of PNIPAAm, FNP-PNIPAAm and FNP.

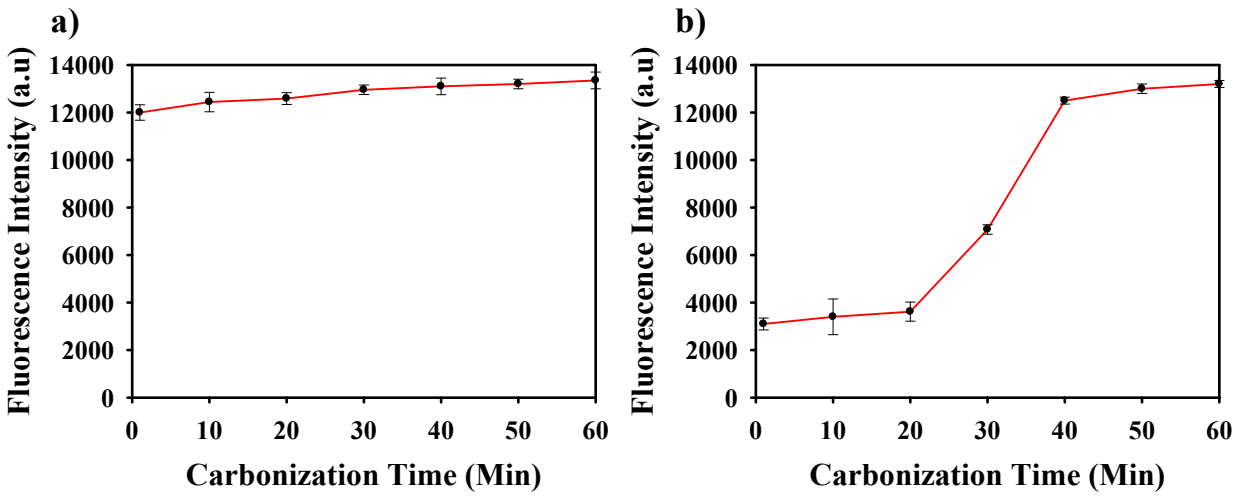

Fig S2. PL emission spectra of FNP based PNIPAAm for various carbonization times at maximum emission wavelength (380 nm) under an excitation wavelength of 340 nm at (a) 25 and (b) 37°C.

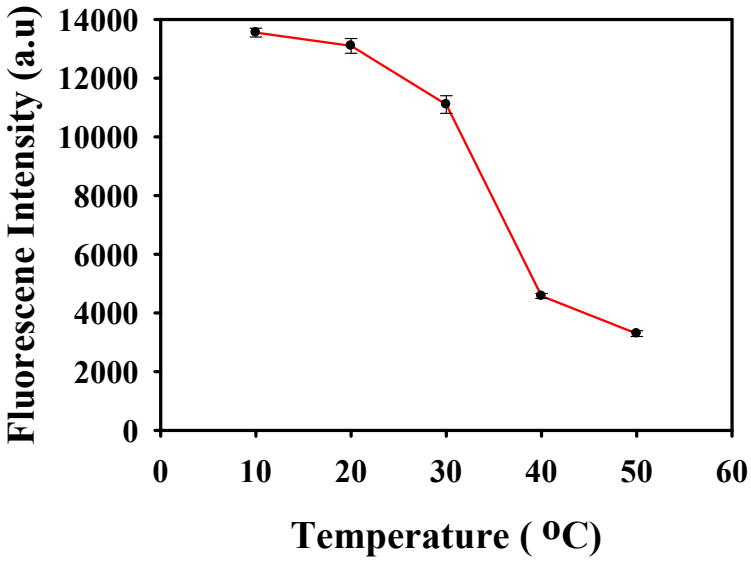

Fig S3. PL emission spectra of FNP-PNIPAAm at temperature range (10-50 °C) at maximum emission wavelength (380 nm) under an excitation wavelength of 340 nm.

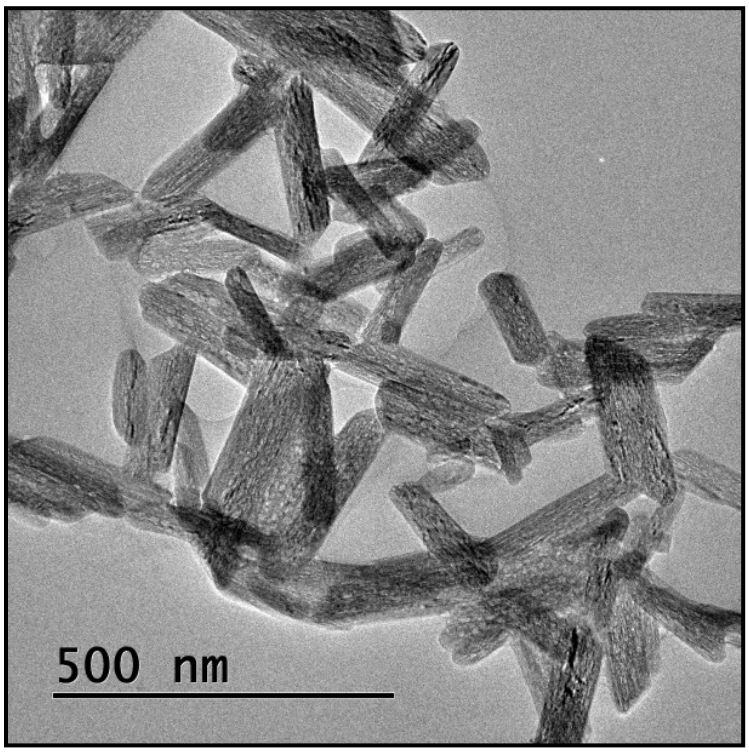

Fig S4. TEM images of PNIPAAm.

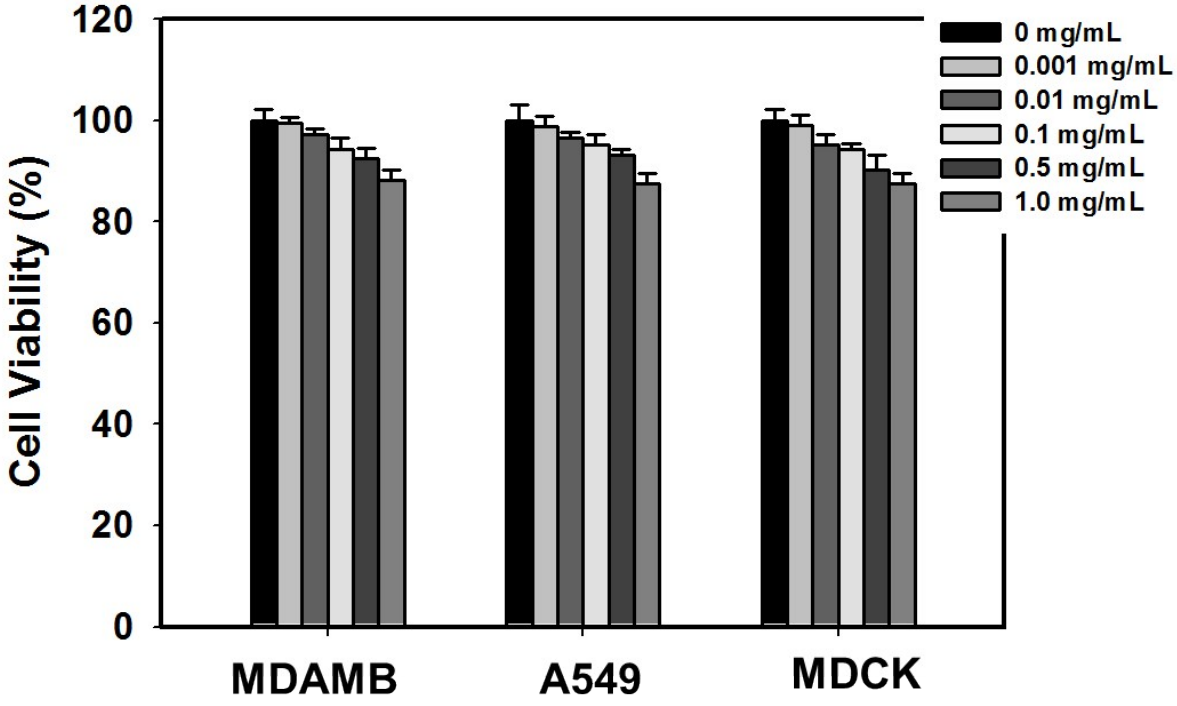

Fig. S5. Cell viability of FNP after 24 h of incubation using MDAMB, A549, and MDCK cells.