Supporting Information

Polydopamine nanosphere@silver nanoclusters for fluorescent detection of multiplex tumor markers

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Figure S1. Optimization of AgNCs synthesis conditions: (A) Probe A concentration for A-AgNCs; (B) reaction time for A-AgNCs; (C) Probe C concentration for C-AgNCs; (D) reaction time for C-AgNCs.
Figure S2. Normalized FL peak intensities for (A) A-AgNCs, (B) C-AgNCs for 15 days.
Figure S3. Fluorescence emission spectra of (A) A-AgNCs and (C) C-AgNCs quenched by different concentrations of PDAN. (B) and (D) are corresponding calibration curves showing the relationships between FL peak intensities and PDAN concentrations.
**Figure S4.** Fluorescence emission spectra of (A) PDAN@A-AgNCs and PDAN@C-AgNCs for the detection of AFP and CEA with different reaction times, respectively.

**Figure S5.** Fluorescence responses of AgNCs, PDAN@AgNCs before and after the detection of tumor markers spiked in different solutions.