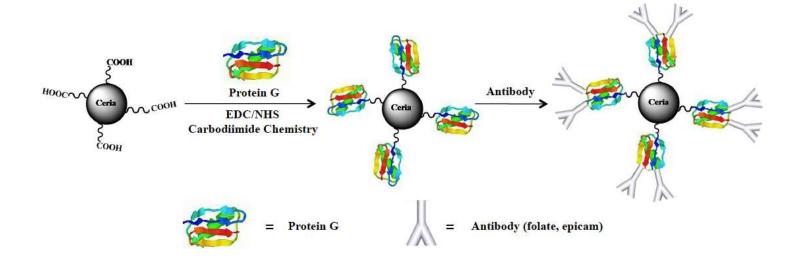
Supporting Information

The pH-tunable Oxidase-like Activity of Cerium Oxide Nanoparticles Achieves Sensitive Fluorigenic Detection of Cancer Biomarkers

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Scheme 1. Schematic representation of the synthesis of Protein-G-PNC conjugate. The surface of polyacrylic-acid-coated nanoceria was functionalized with Protein G via carbodiimide chemistry, leading to further coupling with antibodies.

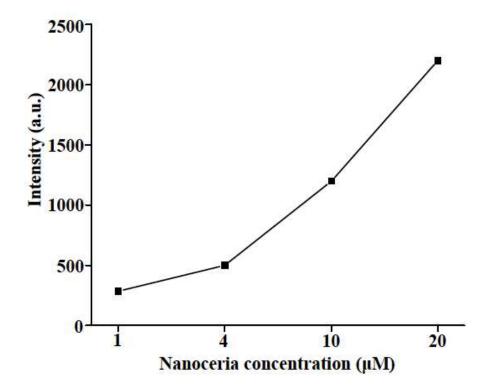


Figure S1. Concentration dependent intensity increase in nanoceria mediated oxidation of ampliflu.

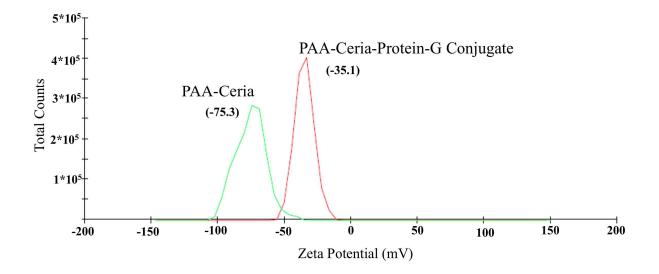


Figure S2. Confirmation of protein-G conjugation on PNC by zeta potential measurement. Surface conjugation of protein-G on polyacrylic acid coated nanoceria was confirmed by zeta potential, as shown by shift in zeta potential value from -75.3 to -35.1 mV for conjugated nanoceria.