

Supplementary Materials: Sensitive and Label-Free Pb(II) Fluorescent Sensor Based on DNzyme Controlled G-Quadruplex/Thioflavin T Conformation

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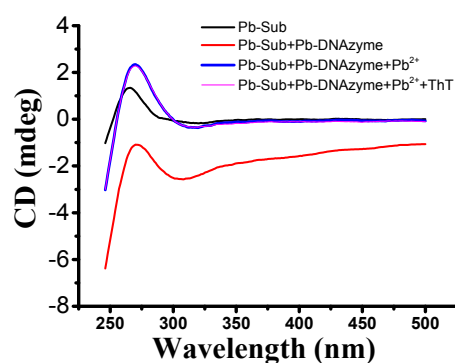


Figure S1. CD spectrum of different samples.

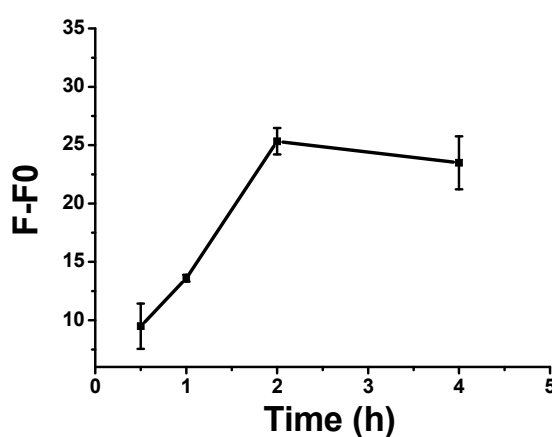


Figure S2. A time-dependent amplification of the fluorescence sensor for 50 nM Pb²⁺ detection.

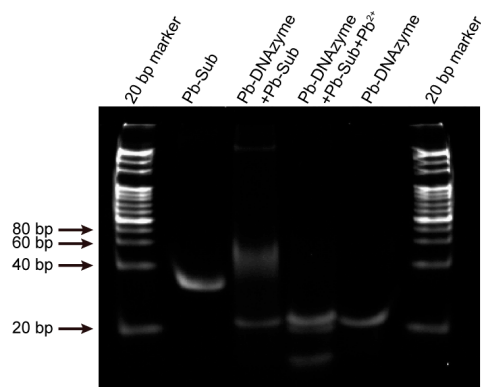


Figure S3. Polyacrylamide gel electrophoresis results of different samples.

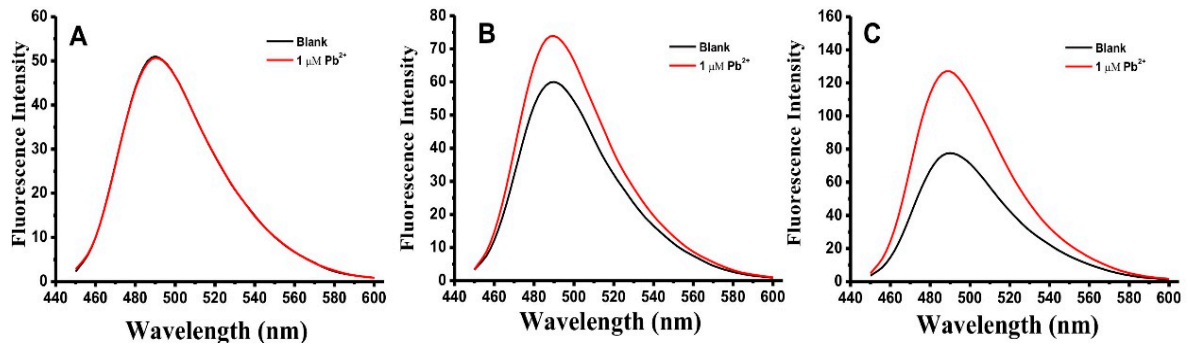


Figure S4. Original data for the optimization result of the analysis temperature (A) 4 °C; (B) 25 °C; (C) 37 °C in the presence of 1 μM Pb²⁺.

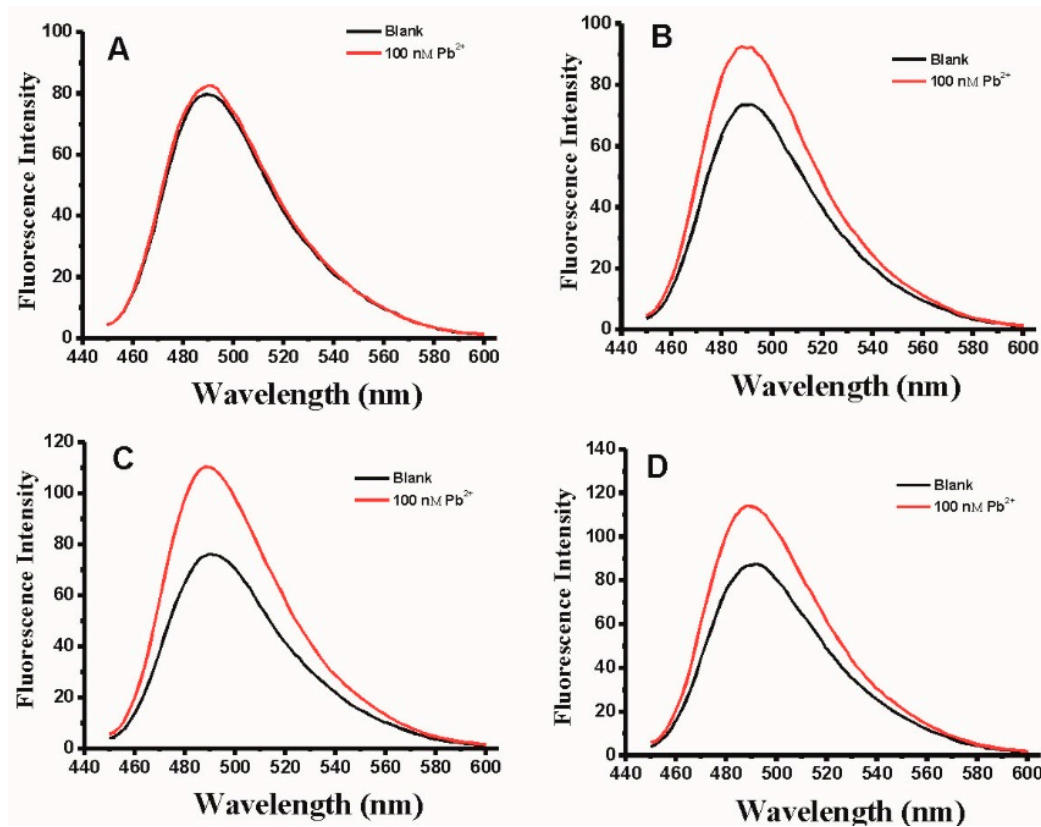


Figure S5. Original data of 100 nM Pb²⁺ sensing in the presence of different concentration of Pb-DNAzyme: (A) 0.1 μM; (B) 0.2 μM; (C) 0.3 μM; (D) 0.5 μM.

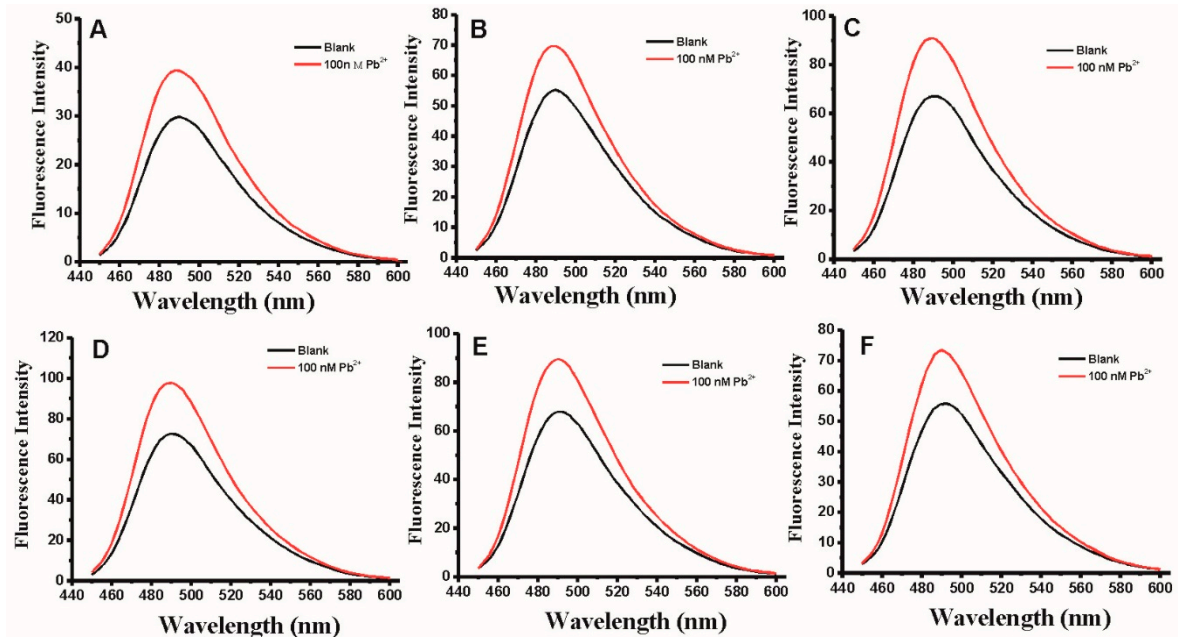


Figure S6. Original data of 100 nM Pb^{2+} sensing using different concentration of ThT: (A) 2 μM ; (B) 5 μM ; (C) 10 μM ; (D) 20 μM ; (E) 30 μM ; (F) 50 μM .