

A Single Aptamer-Dependent Sandwich-Type Biosensor for the Colorimetric Detection of Cancer Cells *Via* Direct Coordinately Binding of Bare Bimetallic Metal–Organic Framework-based Nanozymes

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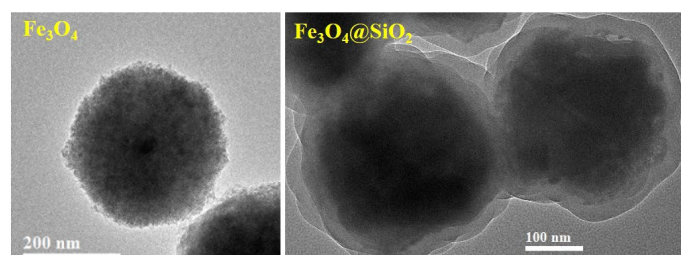


Figure S1. TEM images of Fe_3O_4 and $\text{Fe}_3\text{O}_4@\text{SiO}_2$.

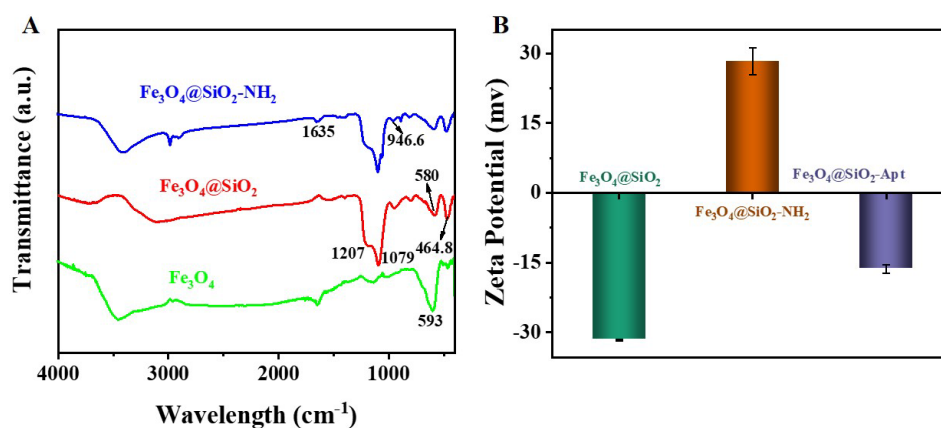


Figure S2. (A) FT-IR spectra of Fe_3O_4 , $\text{Fe}_3\text{O}_4@\text{SiO}_2$, $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-NH}_2$. (B) Zeta potential of Fe_3O_4 , $\text{Fe}_3\text{O}_4@\text{SiO}_2$, $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-NH}_2$.

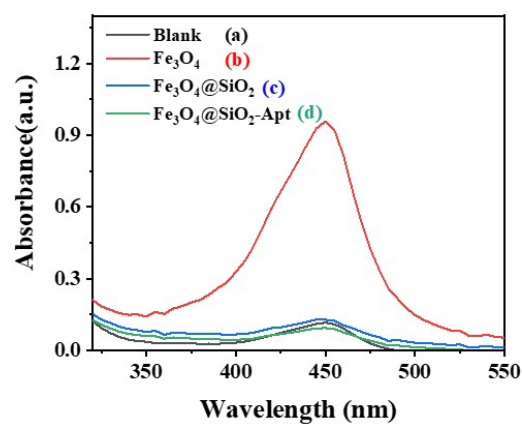


Figure S3. UV-vis absorbance spectra of the TMB- H_2O_2 system after different treatments.

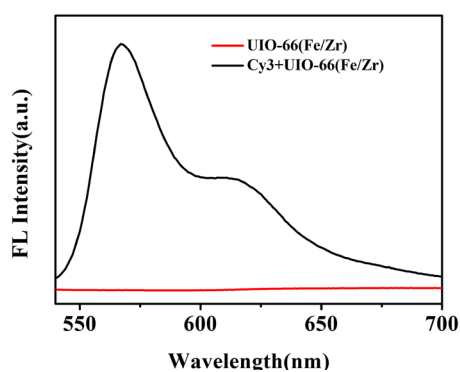


Figure S4. Fluorescence emission spectra of UIO-66(Fe/Zr) before and after incubation with Cy3 dyes.