

Electronic Supplementary Material

Nucleotide/Tb³⁺ coordination polymer as luminescent nanosensor:
synthesis and sensing iron (II) in human serum

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Figure S1

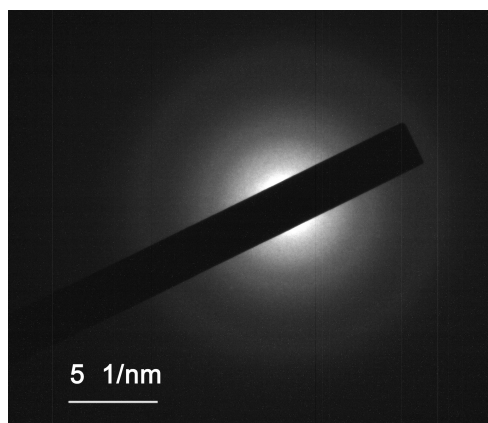


Figure S1. Selected area electron diffraction (SAED) image of Tb-ADP-Phen CP.

Figure S2

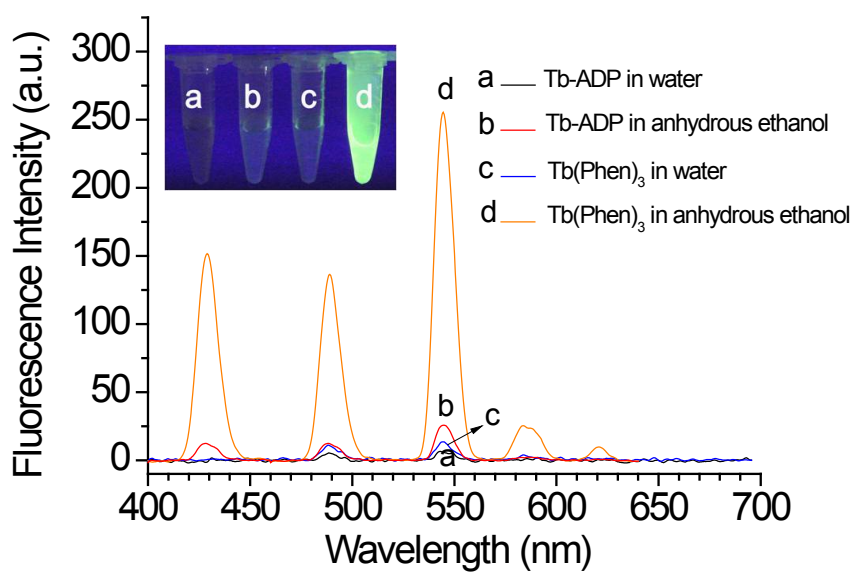


Figure S2. Emission spectra of Tb-ADP and Tb-Phen complex prepared in water solution (a, c) and anhydrous ethanol (b, d). Inset is the corresponding color photos under a common UV lamp.

Figure S3

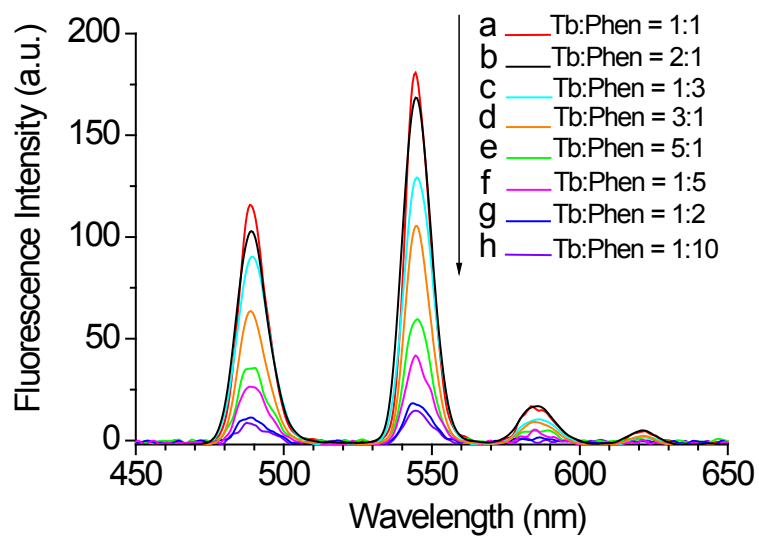


Figure S3. Effects of different molar ratios of Tb³⁺ ion and Phen on the fluorescence of Tb-ADP-Phen CP.

Figure S4

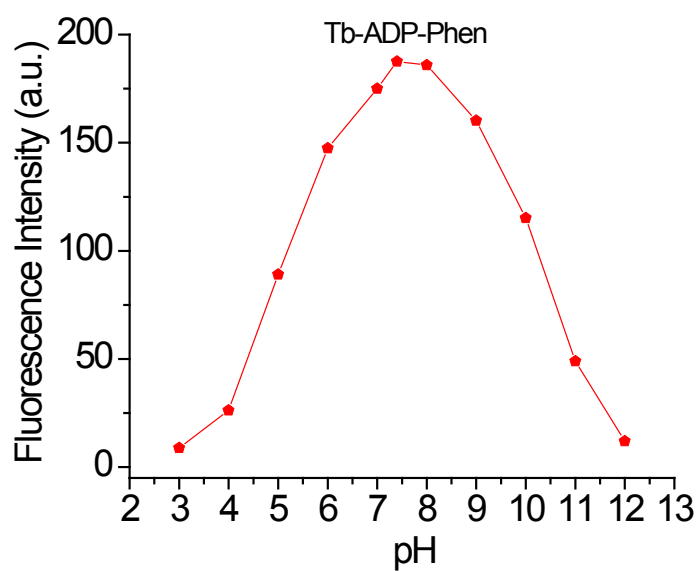


Figure S4. Effects of pH value on the fluorescence of Tb-ADP-Phen CP.

Figure S5

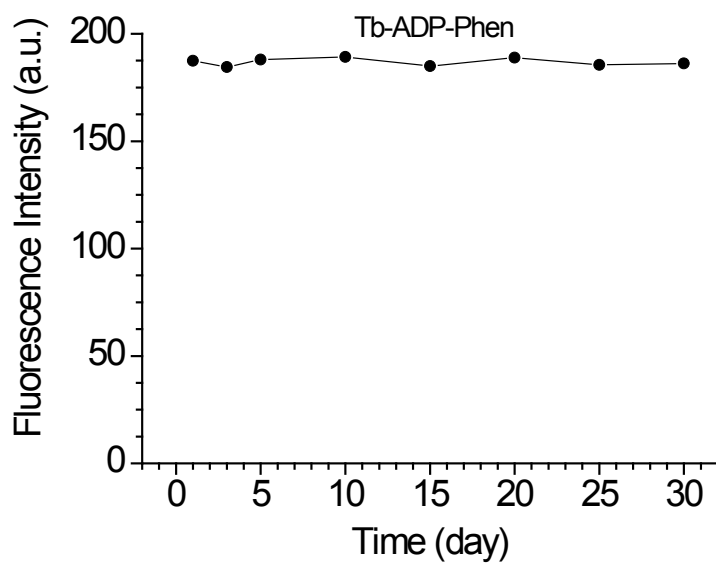


Figure S5. Stability of fluorescence intensity (at 545 nm) of Tb-ADP-Phen CP during 30 days.

Figure S6

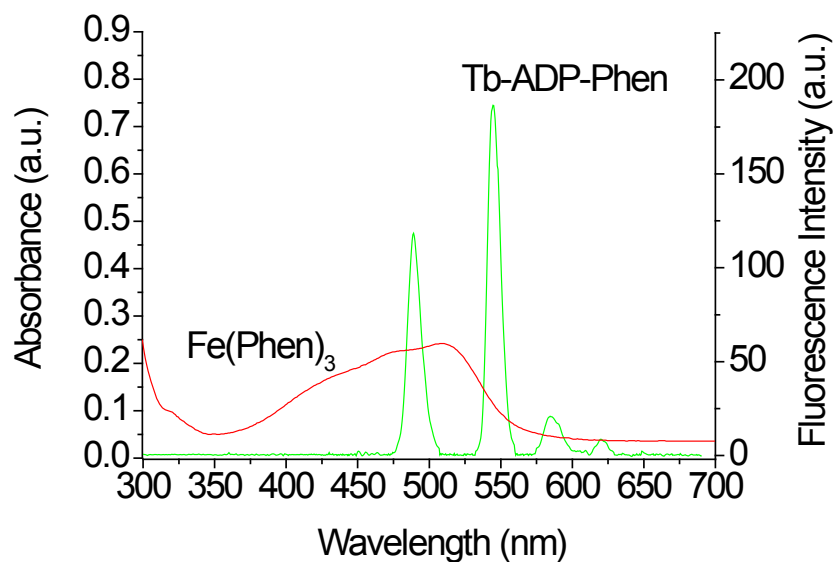


Figure S6. UV-vis spectrum of Fe(Phen)₃ complex (red) and emission spectrum of Tb-ADP-Phen (green).

Figure S7

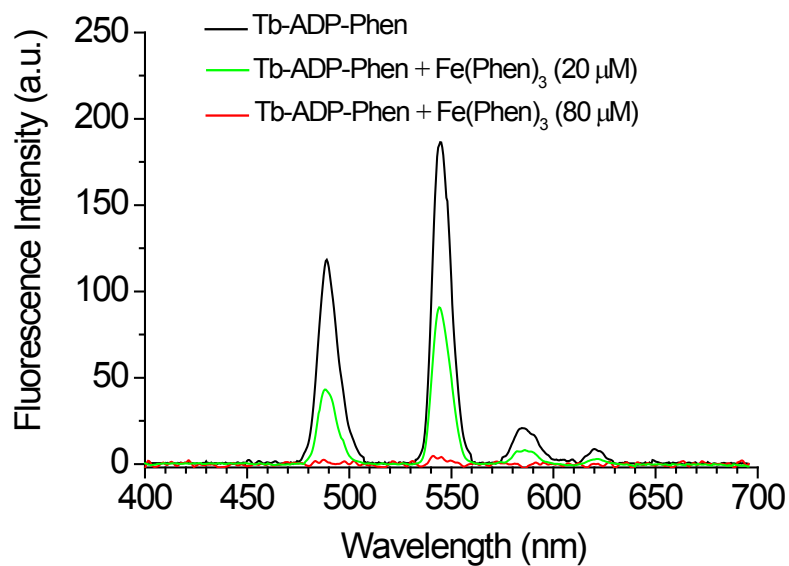


Figure S7. Fluorescence quenching of Tb-ADP-Phen CP in the presence of Fe(Phen)₃ complex.