

Supplementary: Dual-emission fluorescence probe based on CdTe Quantum Dots and Rhodamine B for visual detection of mercury and its logic gate behavior

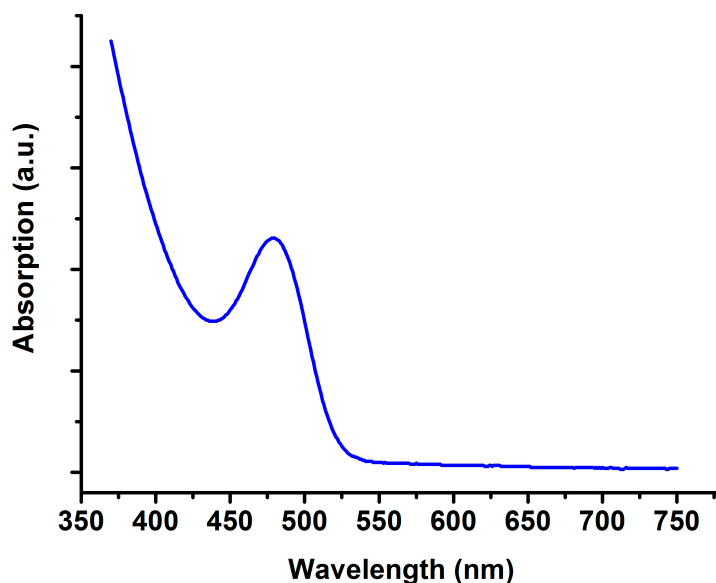


Figure S1. Absorption spectrum of CdTe QDs.

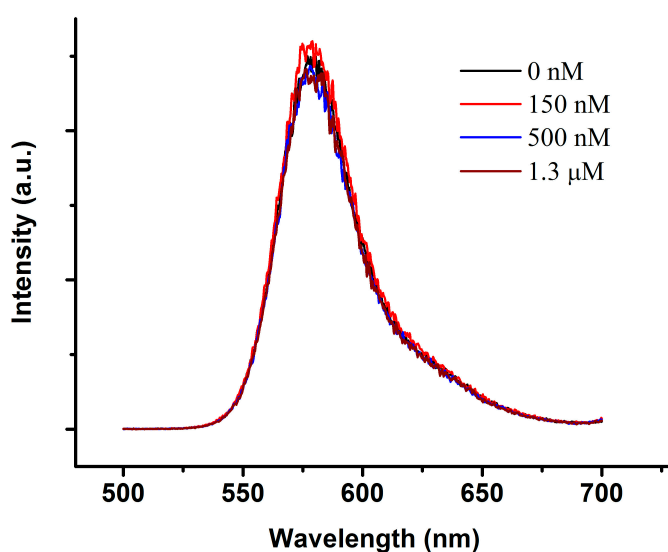


Figure S2. Emission spectra of Rhodamine B with different concentrations of Hg^{2+} under excitation of 365 nm.

Table S1. Selectivity coefficients of the interference ions.

Ions.	Na^+	K^+	Ca^{2+}	Mg^{2+}	Zn^{2+}	Cd^{2+}	Pb^{2+}	Co^{2+}	Ni^{2+}	Ag^+
Selectivity coefficients	0.0013	0.0058	0.0073	0.0042	0.0060	0.0037	0.0092	0.0063	0.0121	0.0047