Electronic Supplementary Material (ESI) for Analytical Methods.

Supporting Information

A europium-based fluorescence probe for detection of thiols in urine

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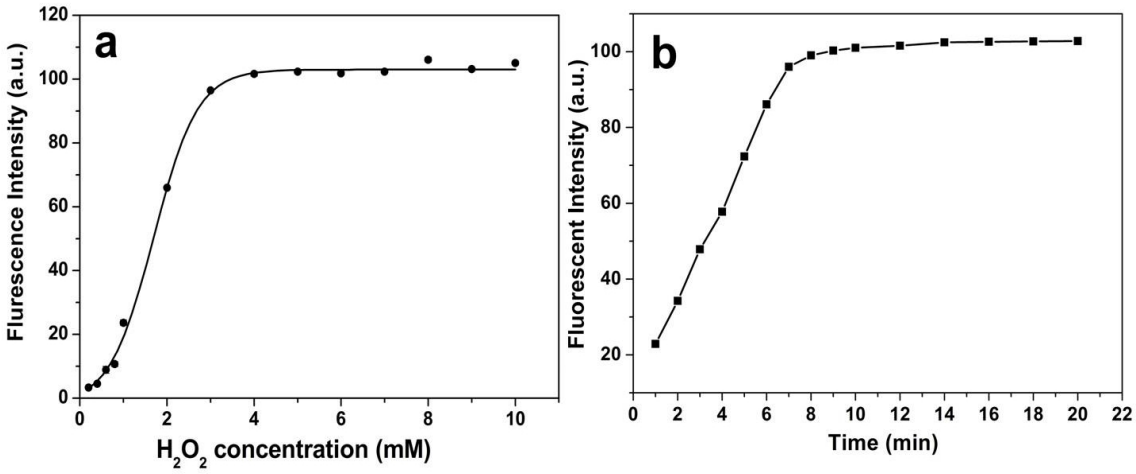

Figure S1. Effect of H_2O_2 concentration (a) and reaction times (b) on the fluorescent intensity of EuTc at 615 nm.

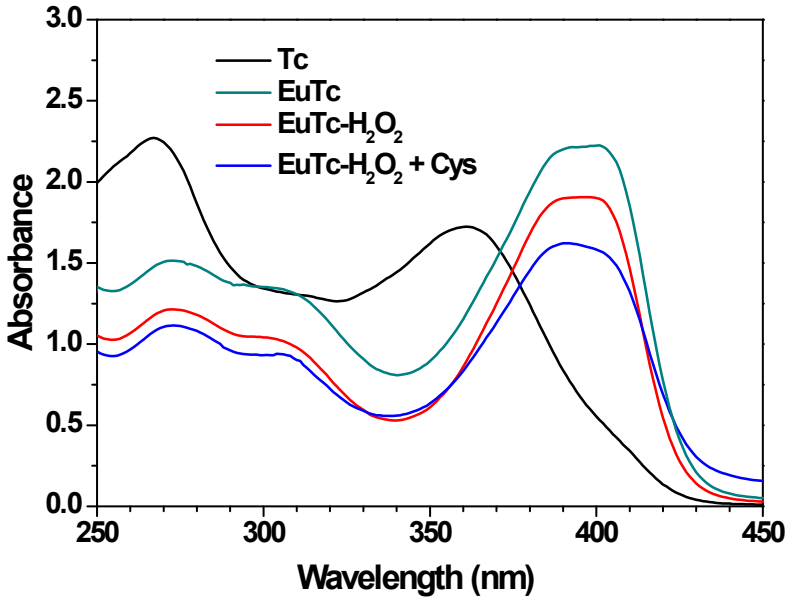

Figure S2. Absorption spectra of Tc (a), EuTc (b), and EuTc-H_2O_2 in the absence (c) and presence (d) of Cys.

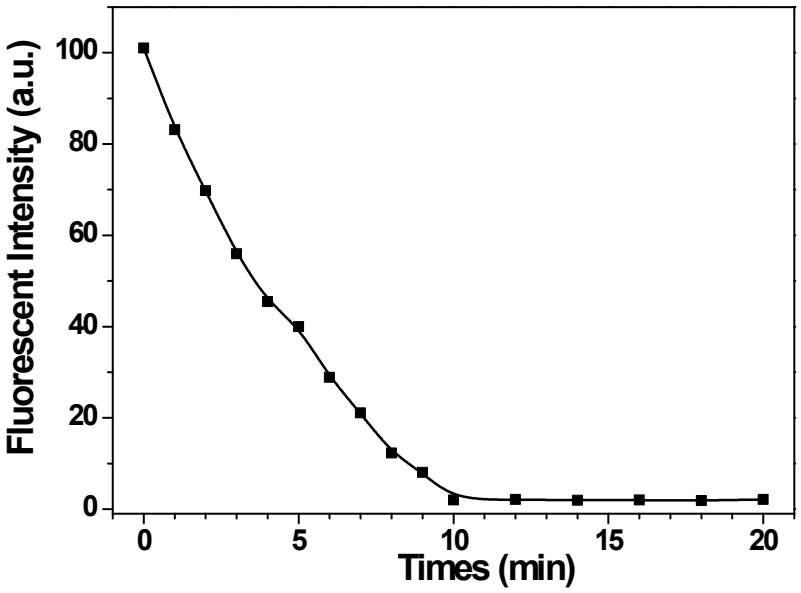

Figure S3. The changes of EuTc-H_2O_2 complex in the presence of Cys at different times.

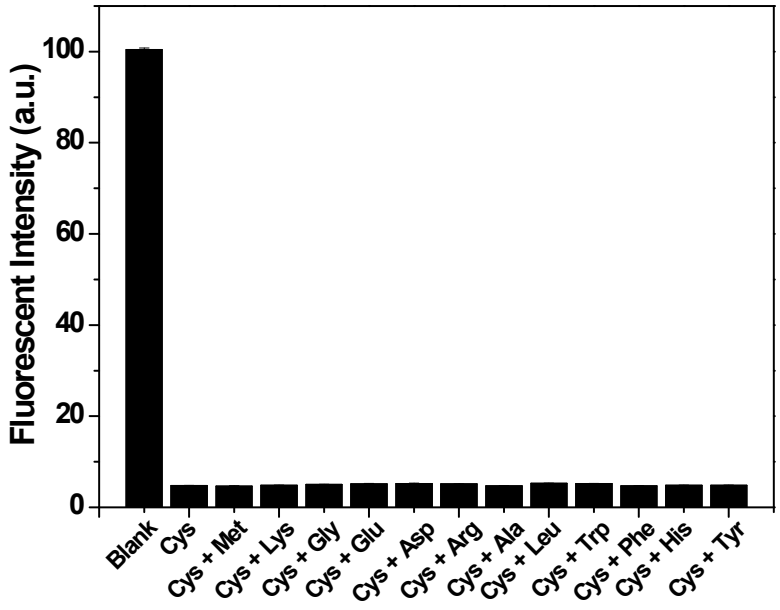

Figure S4. Fluorescent intensities of EuTc-H_2O_2 complex in the presence of Cys with various amino acids.

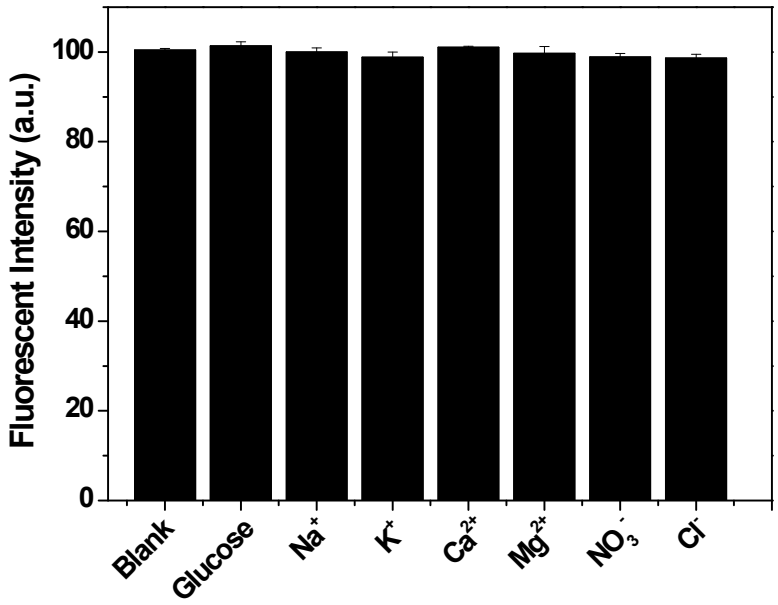

Figure S5. Fluorescent intensities of EuTc-H_2O_2 complex in the presence of foreign substances in urine samples (each 20 μM)