

Figure S1. CV response of different modified electrodes in Fe^{3+} and AFM_1

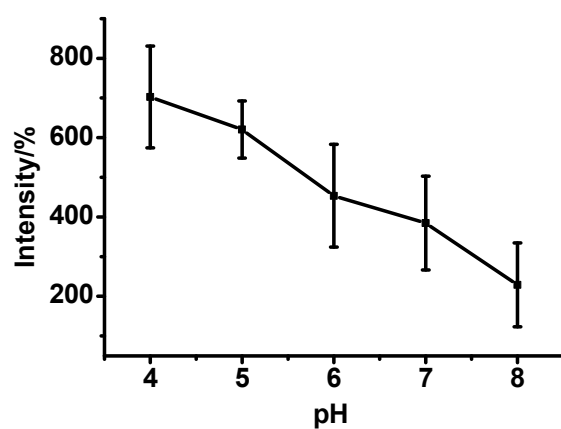


Figure S2. Effect of pH on fluorescence spectrum intensity.

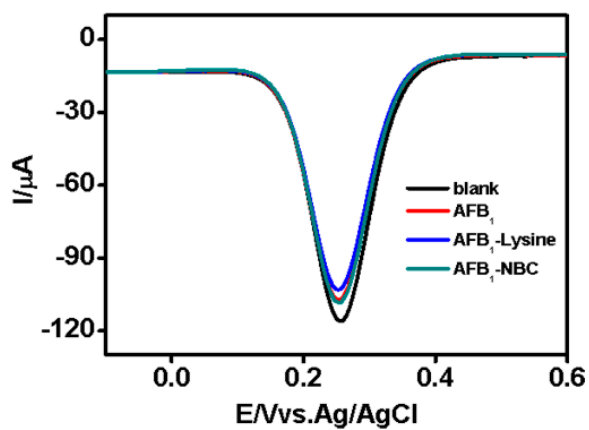


Figure S3. The DPV response of AFB_1 , $\text{AFB}_1\text{-NAC}$, and $\text{AFB}_1\text{-lysine}$ respectively at AuNPs/GCE .

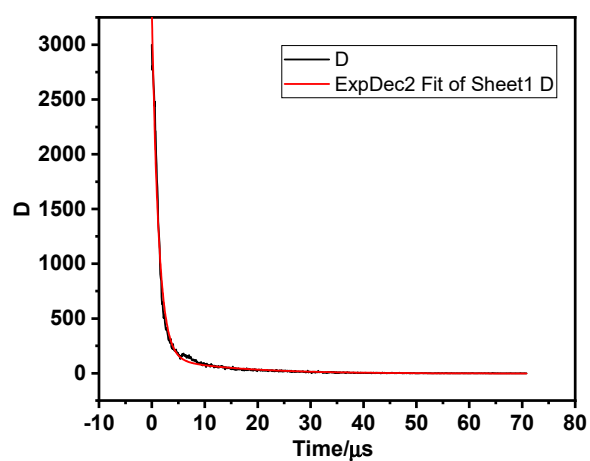


Figure S4. The second-order fitting curve of transient fluorescence spectra.

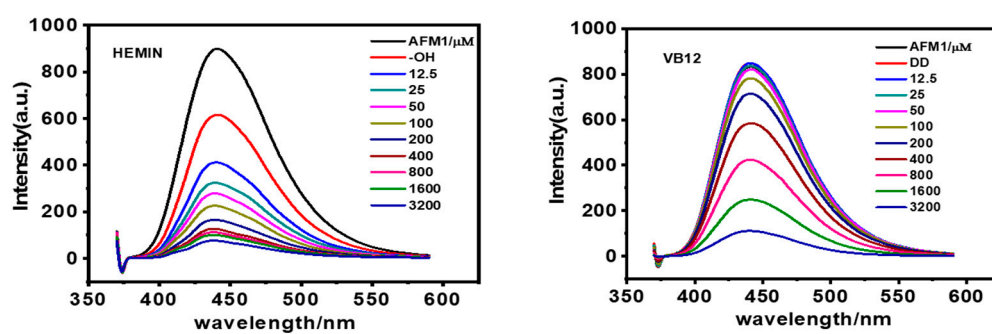


Figure S5. Fluorescence intensity at different concentrations of heme iron and VB₁₂.