Electronic Supplementary Material (ESI) for New Journal of Chemistry.

A novel ratiometric dual-emission fluorescence magnetic nanohybrid for HIgG Immunoassay

Support information

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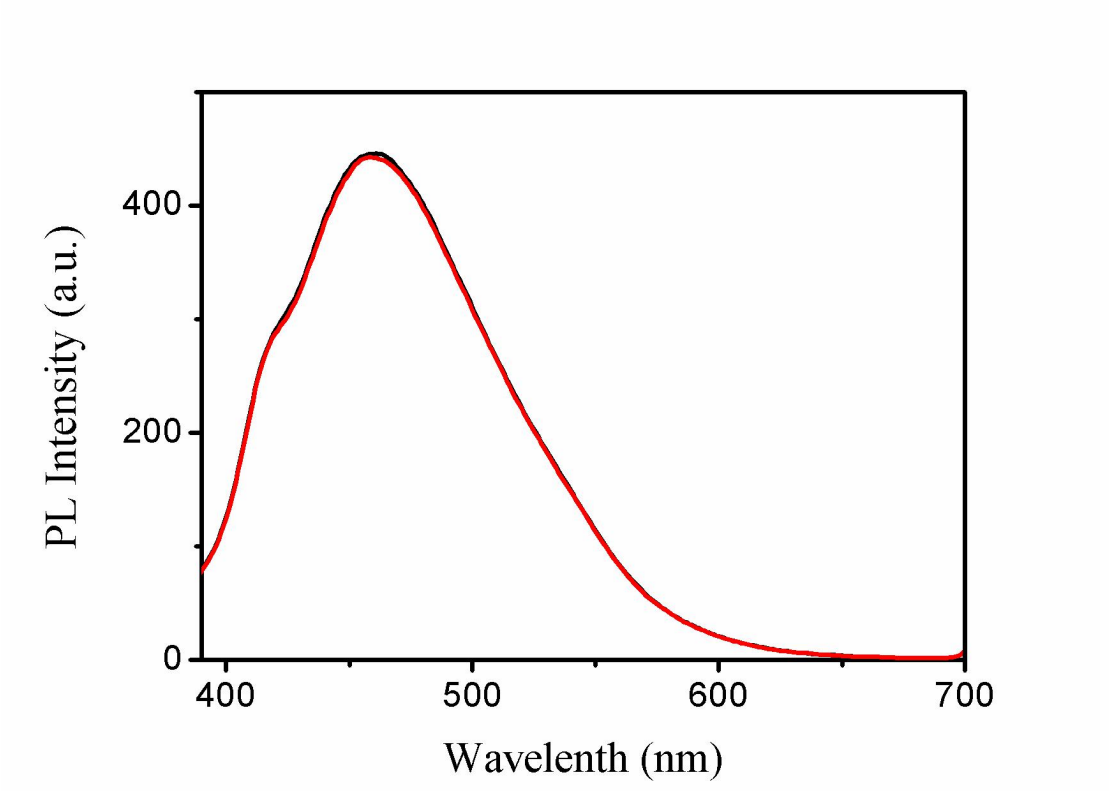

Figure S1. The fluorescence spectra of Fe_3O_4@C NPs and AuNPs- Fe_3O_4@C NPs system. Excitation wavelength was 360nm.

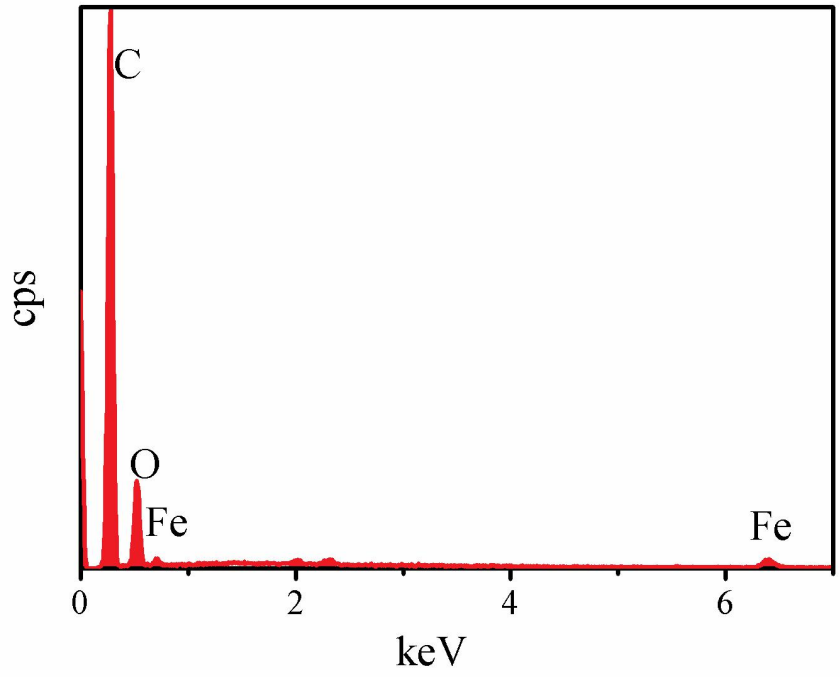

Figure S2. EDS line scanning images of Fe_3O_4@C NPs

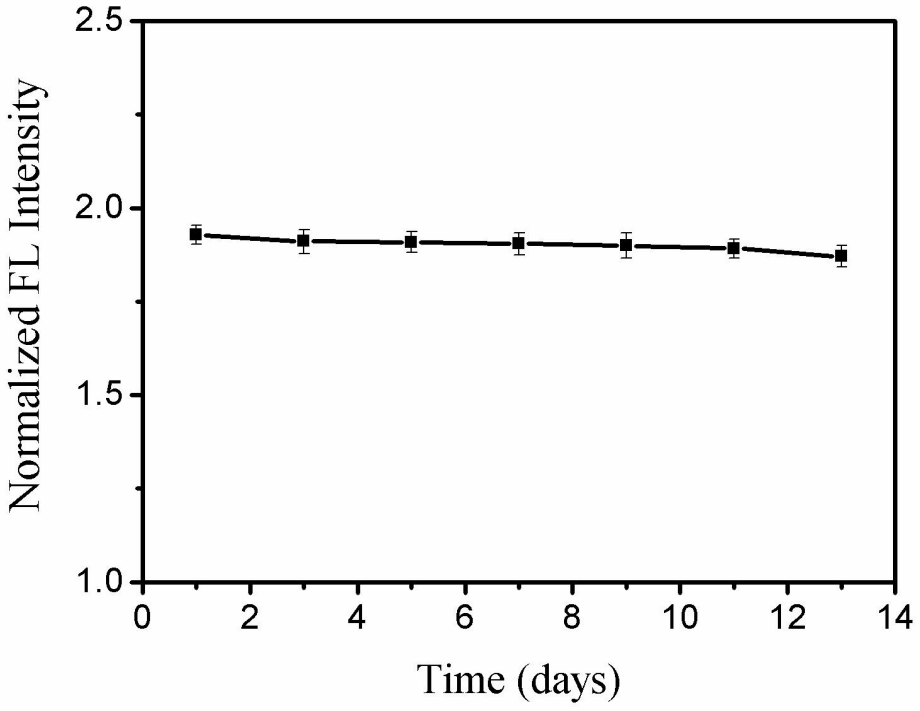

Figure S3. Effect of time on the normalized fluorescence intensity of the QDs in the Fe_3O_4@C@QDs nanocomposite in 10 mM PBS (pH=7.4).

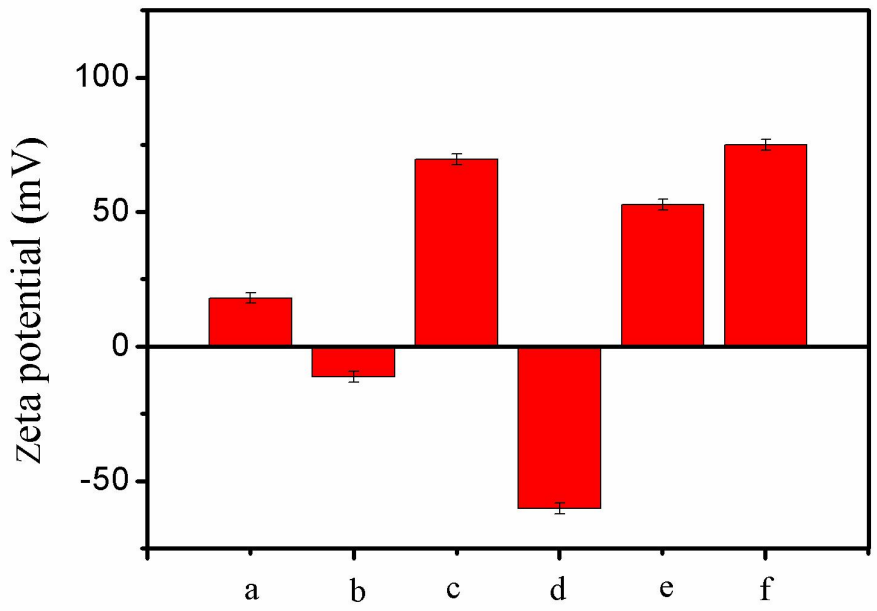

Figure S4. Zeta potential of Fe_3O_4 NPs, Fe_3O_4@C NPs, PDDA-Fe_3O_4@C NPs, Fe_3O_4@C@QDs NPs, PDDA-Fe_3O_4@C@QDs NPs, and Anti-IgG-Fe_3O_4@C@QDs NPs (a-f) in water.