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Electronic Supplementary Information (ESI)

for

A highly sensitive and selective biosensing strategy for the detection of Pb^{2+} ion based on GR-5 DNAzyme functionalized AuNPs

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Fig. S1. Fluorescence emission spectra of DNAzyme-modified AuNPs under different conditions: (a) DNAzyme-modified AuNPs; (b) (a) stored at 4 ºC for one week; (c) (b) treated with 2 mM KCN.

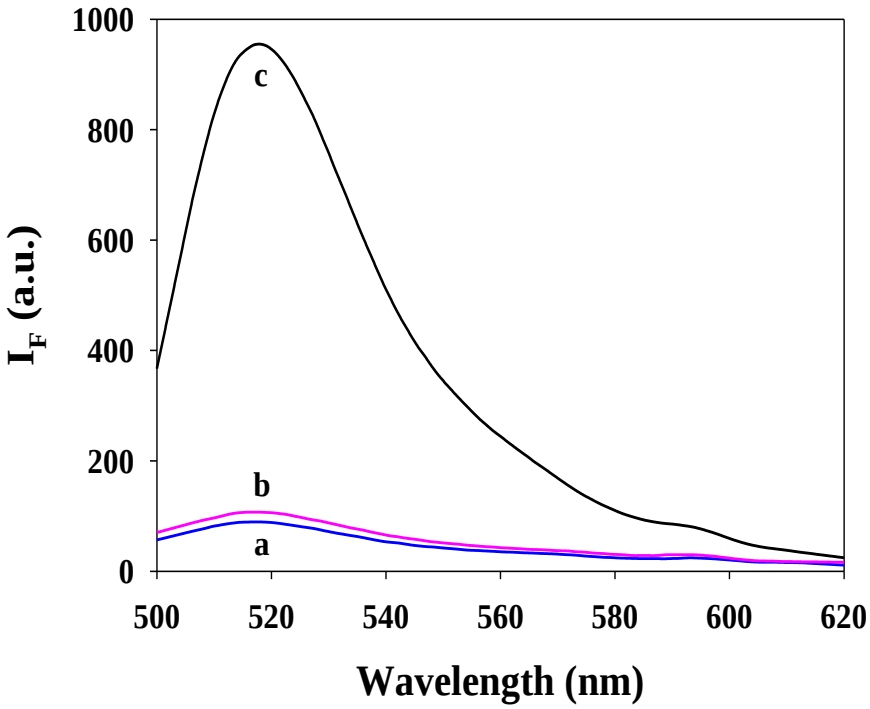

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Fig. S2. The photograph of the DNAzyme-modified AuNPs stored at 4 ºC for 0 h (a) and one week (b). Excellent solubility and stability were observed for DNAzyme-modified AuNPs in 10 mM phosphate buffered saline.