

Supplementary data

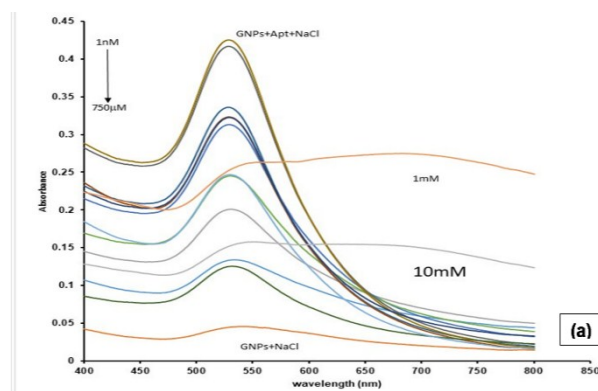
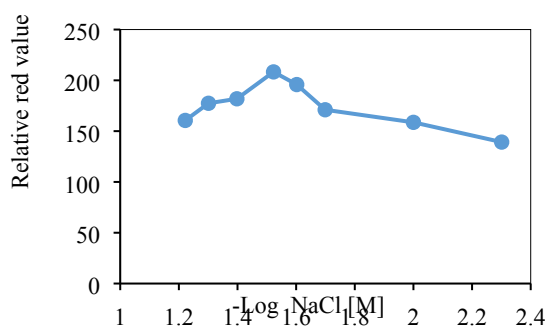
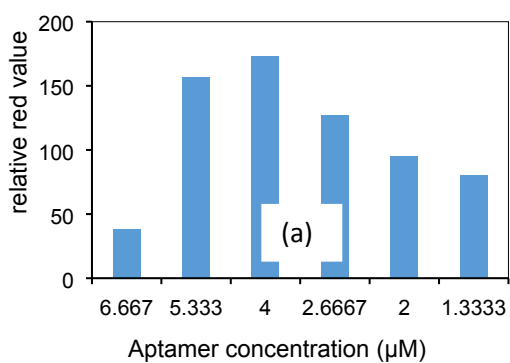
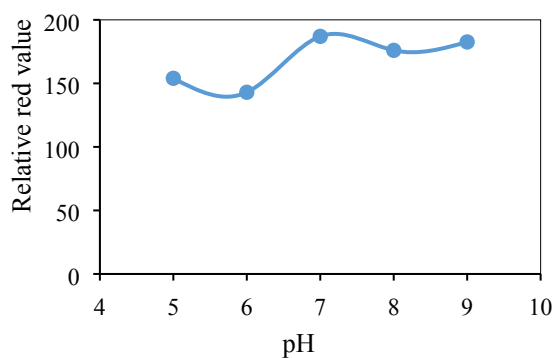


Fig.S2. (a) The UV-vis absorbance spectra of LBA-AuNP-NaCl solution over the concentrations of Pb^{2+} (10 nM to 1mM), b) changes in color detectable by naked eye



(a)



(b)



Fig.S1. Optimization of (a) NaCl concentration, (b) Aptamer concentration, (c) pH

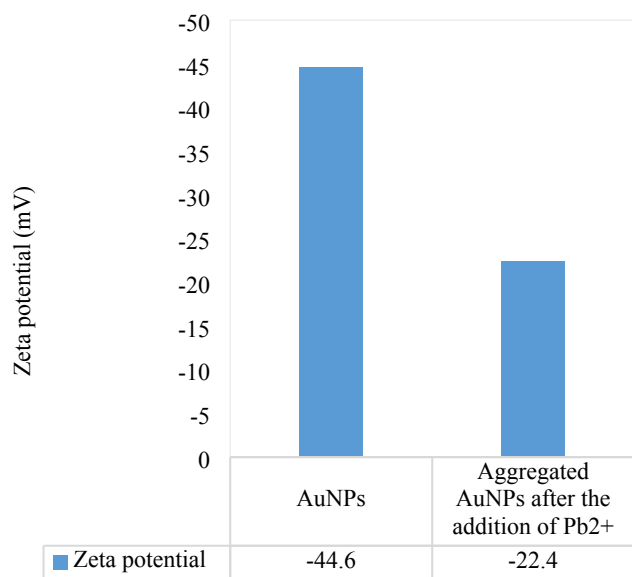


Fig.S3 Zeta potential over the addition of Pb²⁺ during the sensing procedure.