Supporting Information

An Electrochemical Sandwich Immunosensor for Detection of HER2 using Antibody-Conjugated PbS Quantum Dot as a label

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Figure S1. Representative results of optimization of SPCE/Ab1/HER2 (a) type of electrolyte (b) pH of electrolyte (c) Ab1 incubation time (d) HER2 antigen incubation time in 10 mM PBS buffer of pH 5.5 (DPV: -0.3 V to 0.3 V)
Figure S2 Stripping current density peaks of Pb(II) ions released with different dissolution time in acid dissolution of Antibody-conjugated PbS QDs (SWV: -1.0 V to -0.4 V)

Figure S3 Electrochemical responses of unconjugated and Bioconjugated PbS QDs as labels in Sandwich Immunosensors