Analyst

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Paper

Electronic Supporting Information:

A label-free electrochemical immunosensor based on poly(thionine)-SDS nanocomposites for CA19-9 detection

Zhouqian Jiang,[a] Chengfei Zhao,[b] Liqing Lin,[a] Shaohuang Weng,[a] Qicai Liu,[c] and Xinhua Lin[a]

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Paper

The effect of pH at the PThi-SDS/GCE electrode

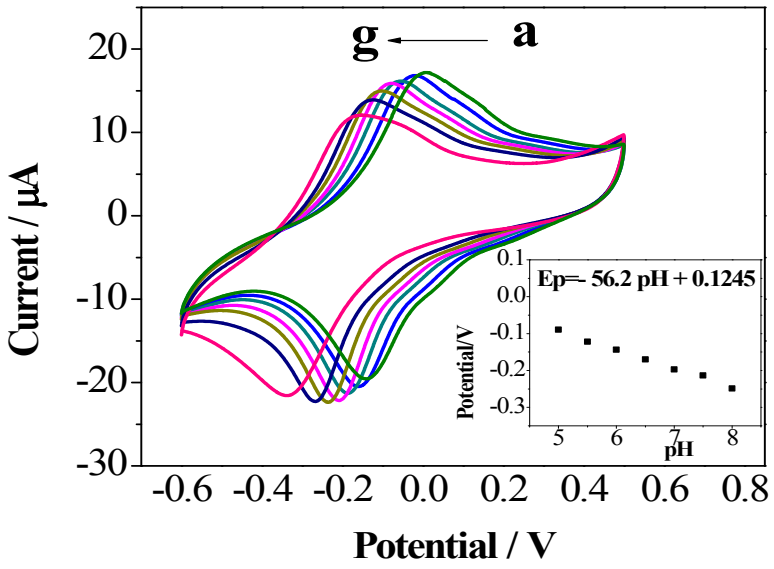

Fig. S1. Cyclic voltammograms of PThi-SDS/GCE electrode in pH: (a) 4.0, (b) 4.5, (c) 5.0, (d) 5.5, (e) 6. 0, (f) 6.5, (g) 7.0, the inset is plots of $E^{o'}$ vs. pH

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Paper

Optimization of experimental conditions

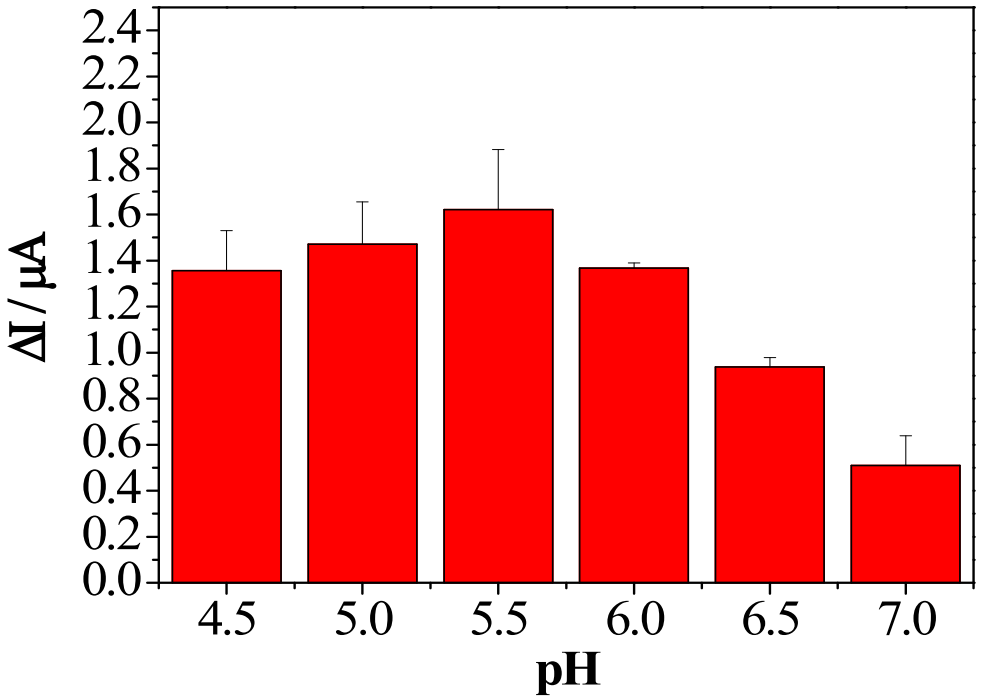

Fig. S2 Effects of pH of detection solution for antigen-antibody reaction

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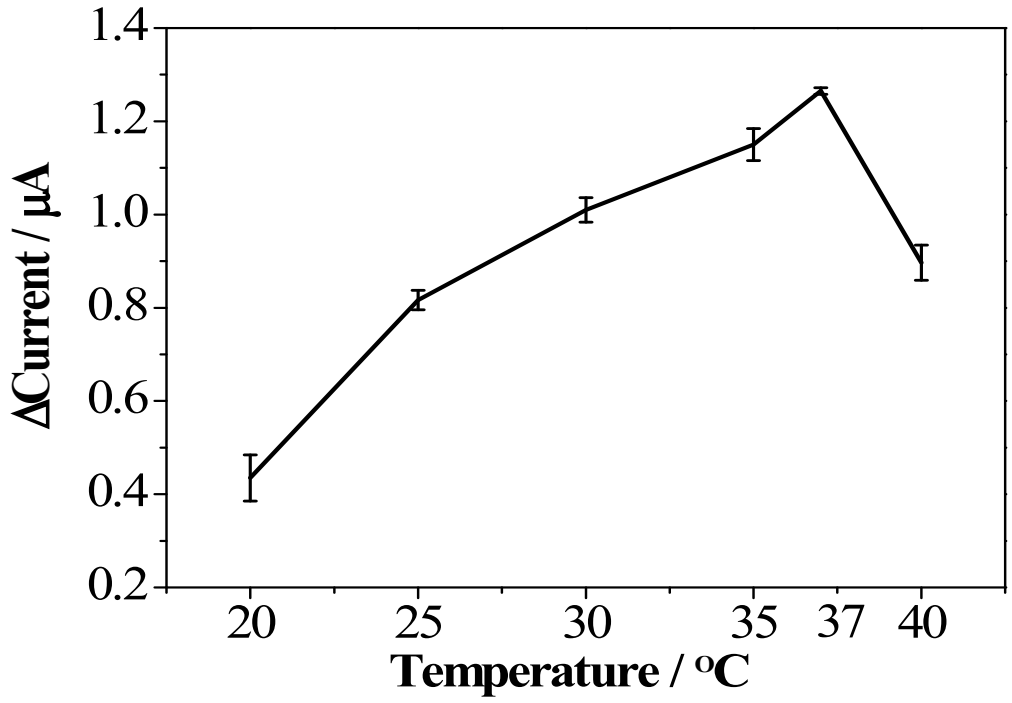

Fig. S3 Effects of reaction temperature for antigen-antibody.

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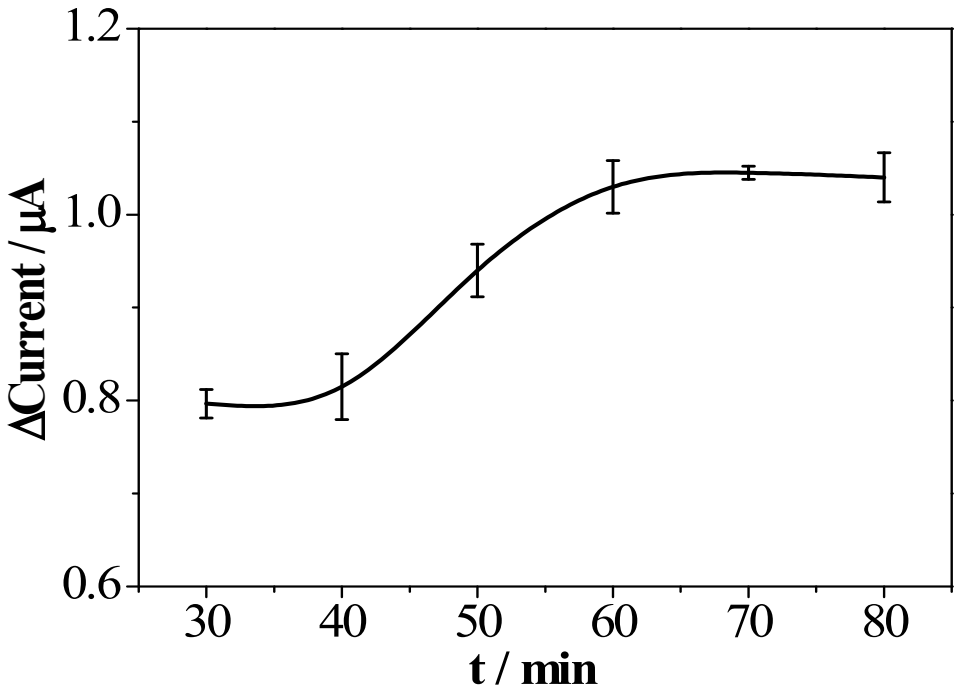

Fig. S4 Effects of reaction time for antigen-antibody.