

SUPPORT INFORMATION

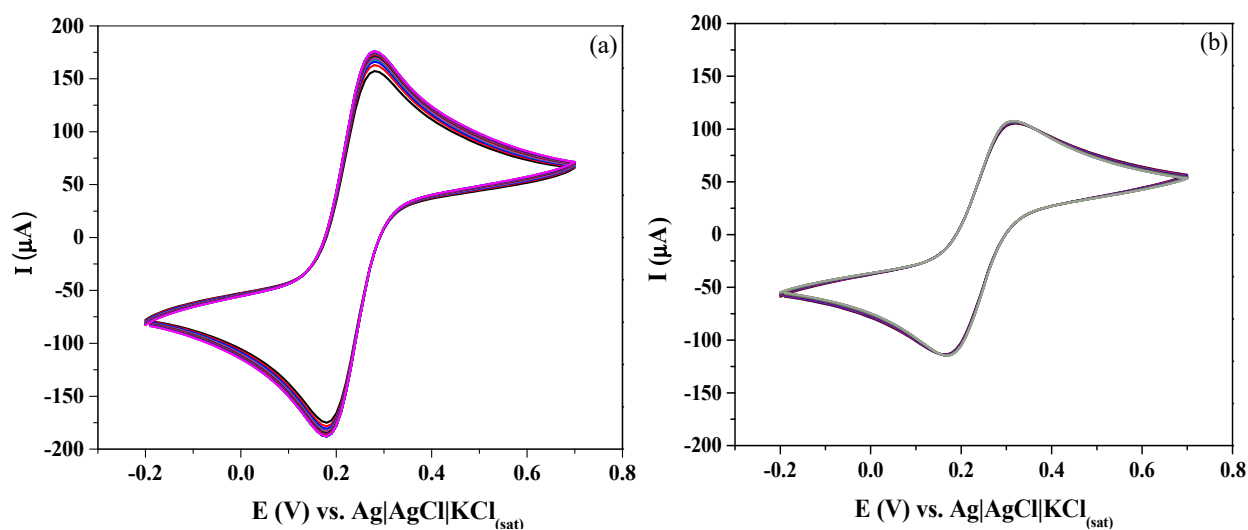


Figure S1. Electrochemical stability of the modified GCE with $\text{NH}_2\text{-NCY}$ film (a) and $\text{NH}_2\text{-NCY}$ and COOH-PPy film (b) when submitted to 20 successive voltammetric cycles. Measurements performed in $5 \text{ mmol L}^{-1} \text{ K}_3\text{Fe}(\text{CN})_6/\text{K}_4\text{Fe}(\text{CN})_6$ prepared in $0.1 \text{ mol L}^{-1} \text{ KCl}$.

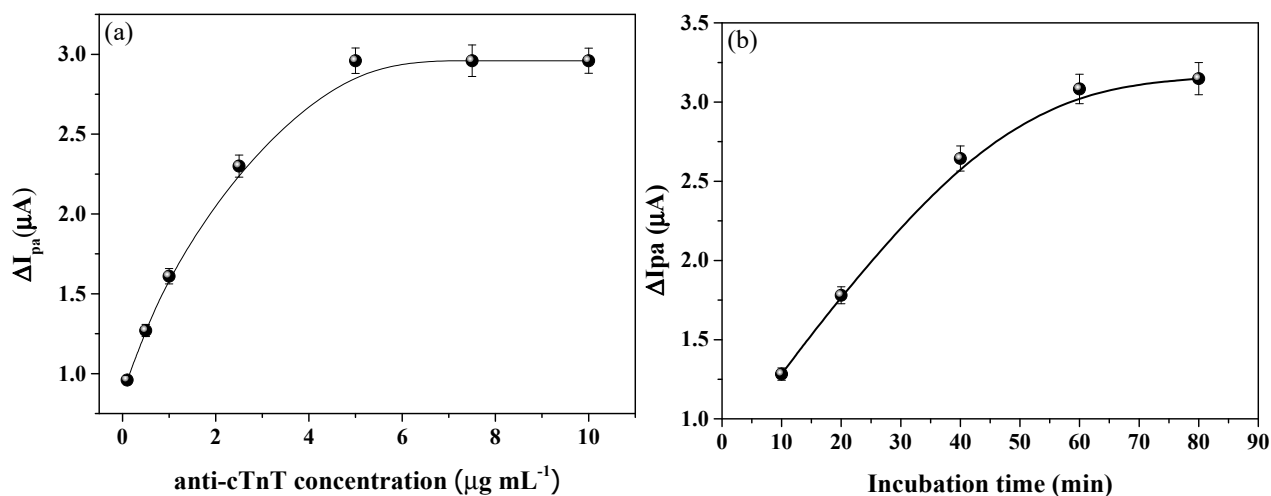


Figure S2. Influence of the anti-cTnT concentration (a) and incubation time of the cTnT (b) on the anodic current response by SWV measurements performed in $5 \text{ mmol L}^{-1} [\text{Fe}(\text{CN})_6]^{3-/4-}$ solution prepared in $0.1 \text{ mol L}^{-1} \text{ KCl}$.

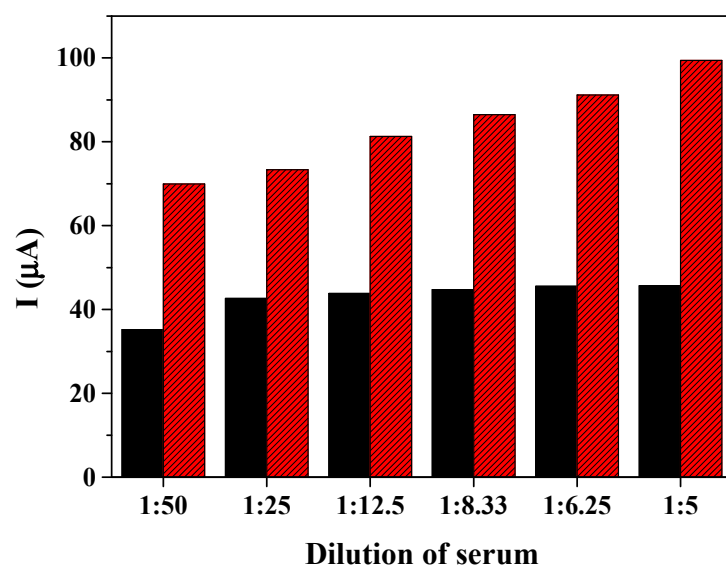


Figure S3. Current intensity response of the immunosensor for different serum dilutions (1:50; 1:25; 1:12,25; 1:8,33; 1:6,25; 1:5) by SWV measurements performed in 5 mmol L⁻¹ [Fe(CN)₆]^{3-/4-} solution prepared in 0.1 mol L⁻¹ KCl. Black bars represent the serum in absence of cTnT and the red bars represent the serum spiked with 50 pg mL⁻¹ cTnT.