

Zwitterionic Polydopamine/Protein G Coating for Antibody Immobilization: Toward Suppression of Nonspecific Binding in Immunoassays

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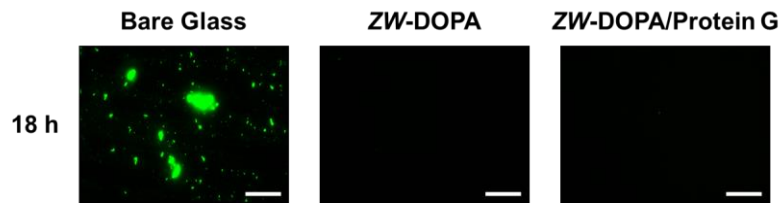


Figure S1. Fluorescence images of *E. coli* O157:H7 attached to bare, ZW-DOPA-coated, and ZW-DOPA/Protein G-coated glass substrates. Scale bar denotes 50 μm .

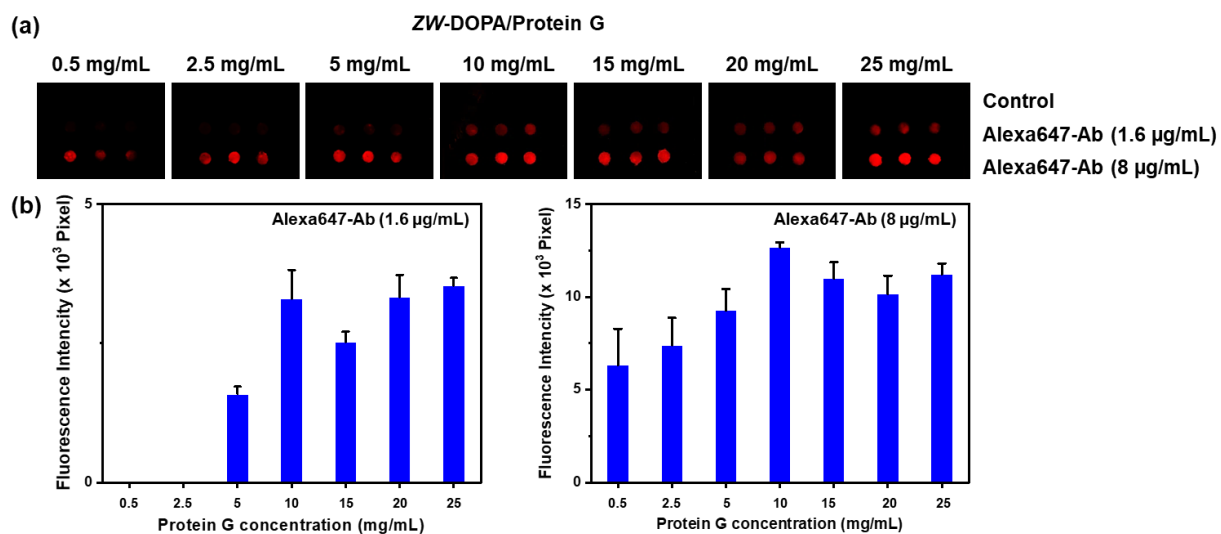


Figure S2. (a) Fluorescence images of ZW-DOPA/Protein G-coated glass substrates after Alexa647-conjugated antibody immobilization. The concentration of protein G was varied from 0.5 to 25 mg/mL. (b) Corresponding plots of fluorescence intensity on ZW-DOPA/Protein G-coated glass substrates after Alexa647-conjugated antibody immobilization.

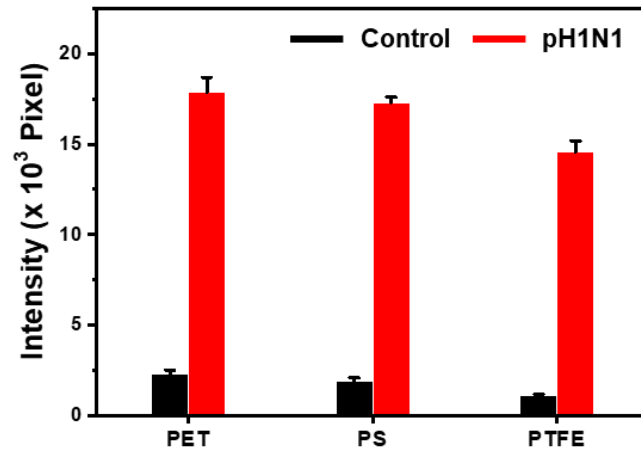


Figure S3. Plot of 8-bit grayscale values on ZW-DOPA/Protein G-coated PET, PS, and PTFE substrates after pH1N1 detection with the naked eye.

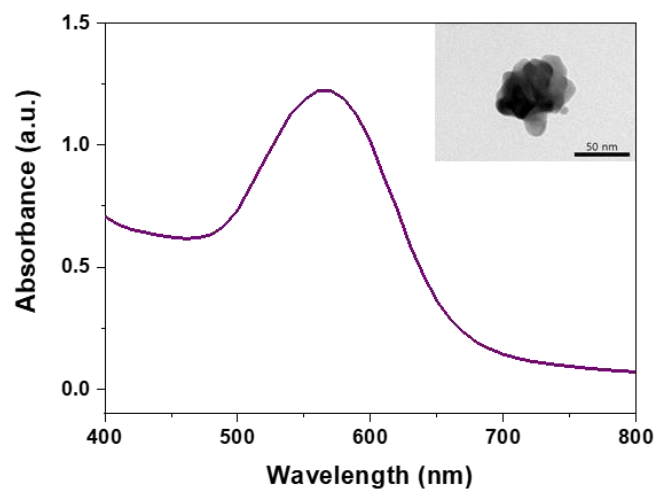


Figure S4. Absorbance spectrum of urchin Au NPs. The inset is a TEM image of an urchin Au NP.

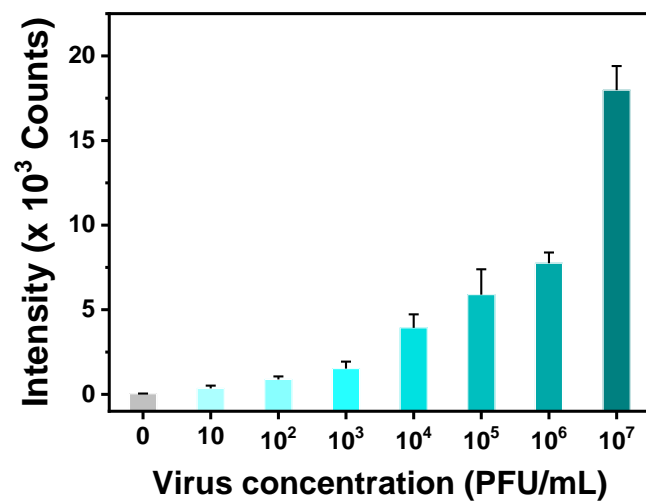


Figure S5. Plot of 1615 cm⁻¹ band intensity as a function of pH1N1 concentration.