

Electronic Supplementary Material (ESI)

for

Gold nanoparticles-based enhanced ELISA for respiratory syncytial virus

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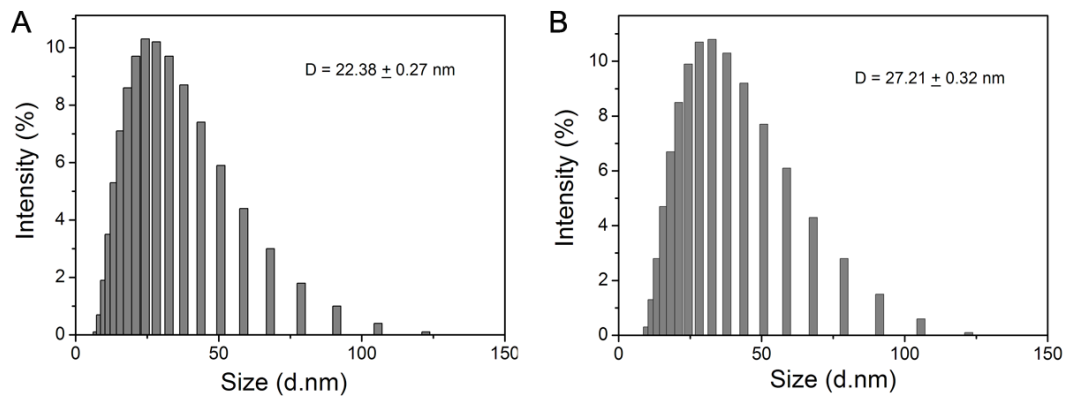


Fig. S1 Dynamic light scattering (DLS) measurements of the average hydrodynamic diameters of bare AuNPs (A) and Au-anti-RSV-HRP conjugates (B).

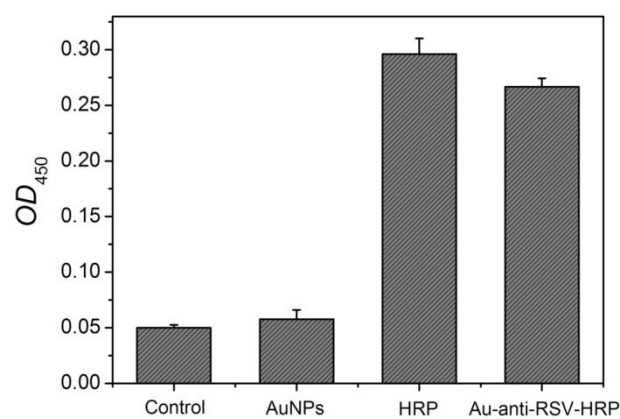


Fig. S2 Comparison of the catalytic activity of 0.95 nM bare AuNPs, 1.09 $\mu\text{g/mL}$ pure HRP and Au-anti-RSV-HRP conjugates (prepared from 0.95 nM AuNPs and 1.09 $\mu\text{g/mL}$ HRP).

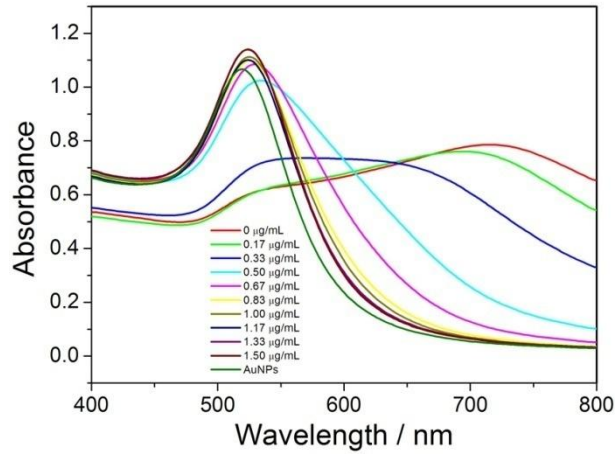


Fig. S3 AuNPs spectra recorded after the addition of increasing concentrations of anti-RSV-HRP antibody and NaCl (10%).

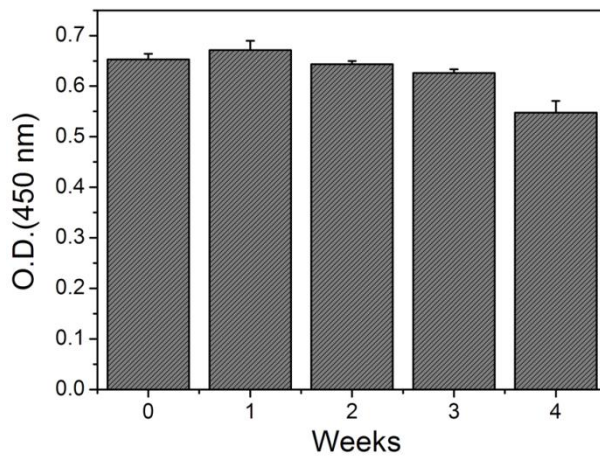


Fig. S4 Stability of the synthesized Au-anti-RSV-HRP conjugates used in the ELISA test.