

Portable plasmonic paper-based biosensor for simple and rapid indirect detection of CEACAM5 biomarker via Metal Enhanced Fluorescence

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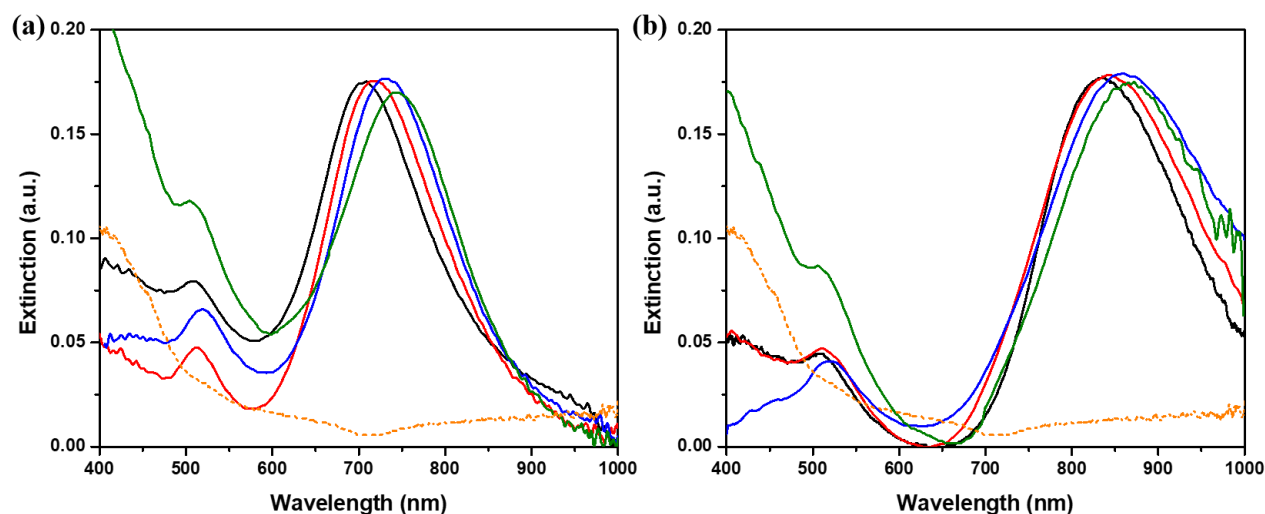


Figure S1. Extinction spectra of (a) paper@AuNR706 and (b) paper@AuNR835 nanoplatforms before (black spectrum) and after being coated first with PSS (red spectrum), followed by PAH (blue spectrum) and after decorating with QD (green spectrum) together with the absorption spectra of QD on bare paper (orange spectrum).

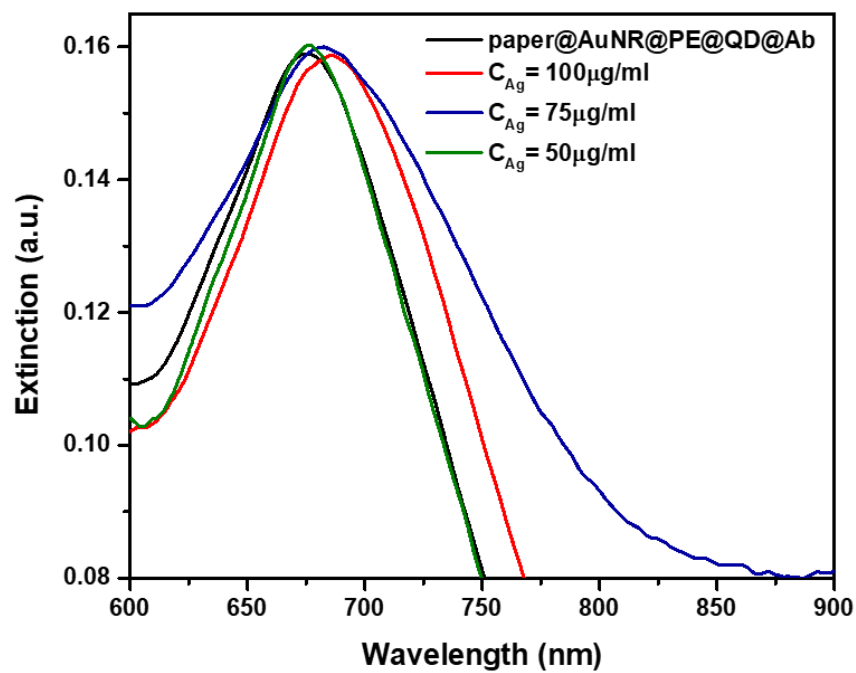


Figure S2. Extinction spectra of the paper@AuNR648 nanoplateform before (black spectrum) and after different concentrations of CEACAM5 were captured by the QD@Ab complex.