Electronic Supplementary Information

Detection of concanavaline A based on modulated fluorescence resonance energy transfer between quantum dots and mannose-stabilized gold nanoparticles

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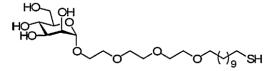


Fig. S1. Chemical structure of thiolated mannose.

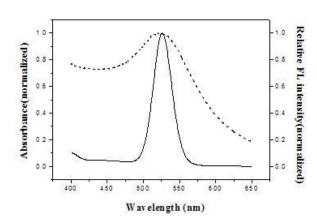


Fig. S2. The absorption spectrum of mannose-stabilized AuNPs (top) and the fluorescence spectrum of amino (PEG) QDs ($\lambda_{ex} = 525$ nm) (bottom).

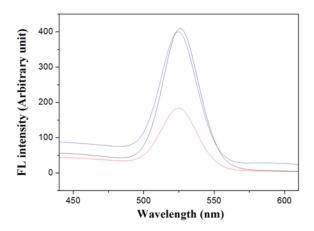


Fig. S3. FL spectra of QDs in the absence of AuNPs and Con A (black), in the presence of AuNPs (red) and in the presence of AuNPs and 500 μ g/mL Con A (blue) ($\lambda_{ex} = 525$ nm).

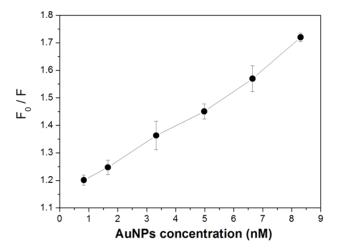


Fig. S4. Stern–Volmer plot of *F*o/*F* versus [AuNPs].