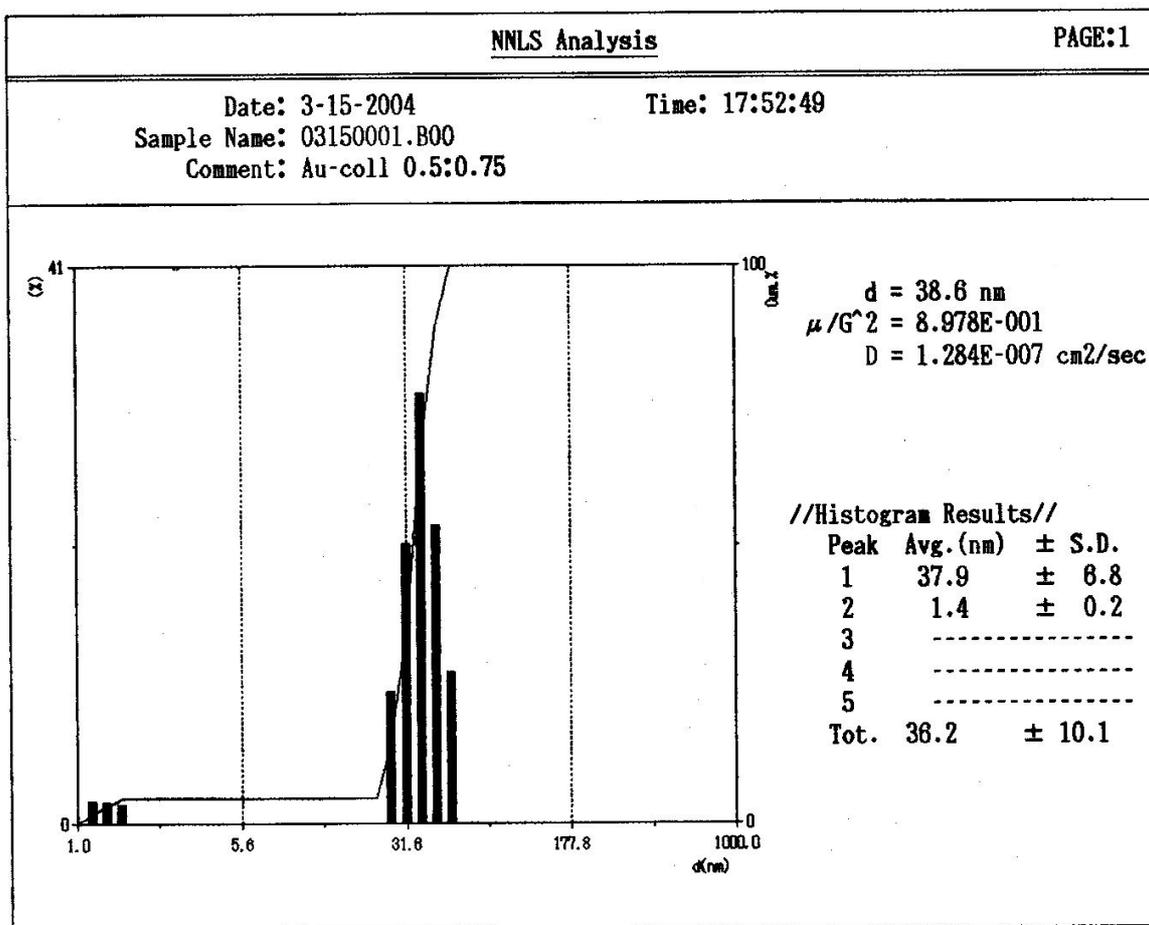
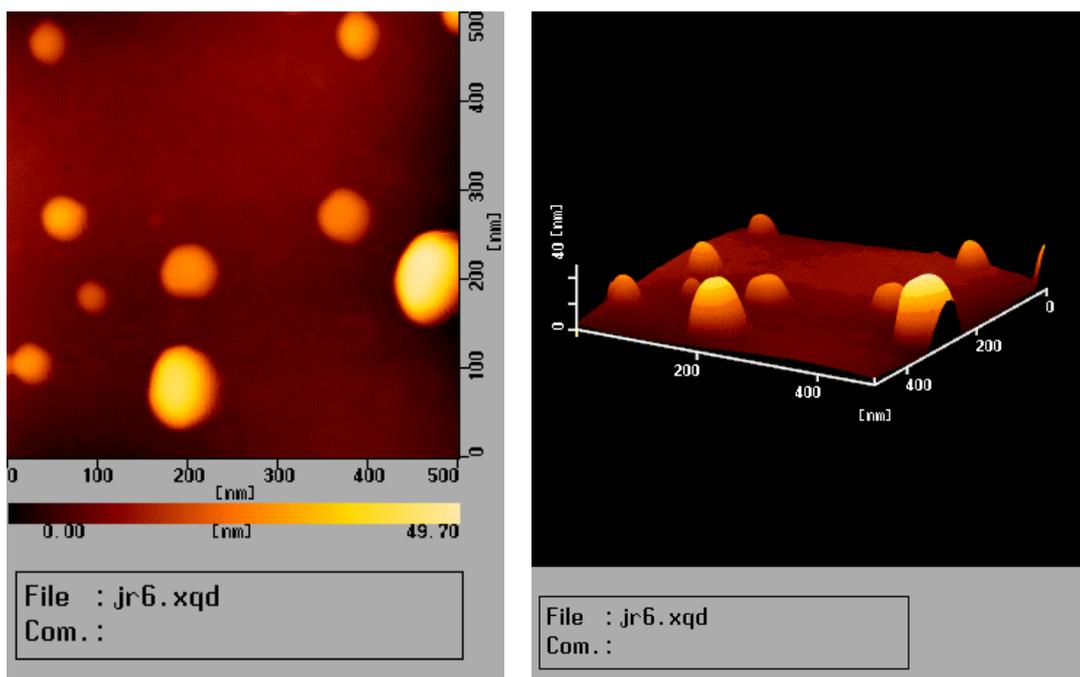


Supporting Information:

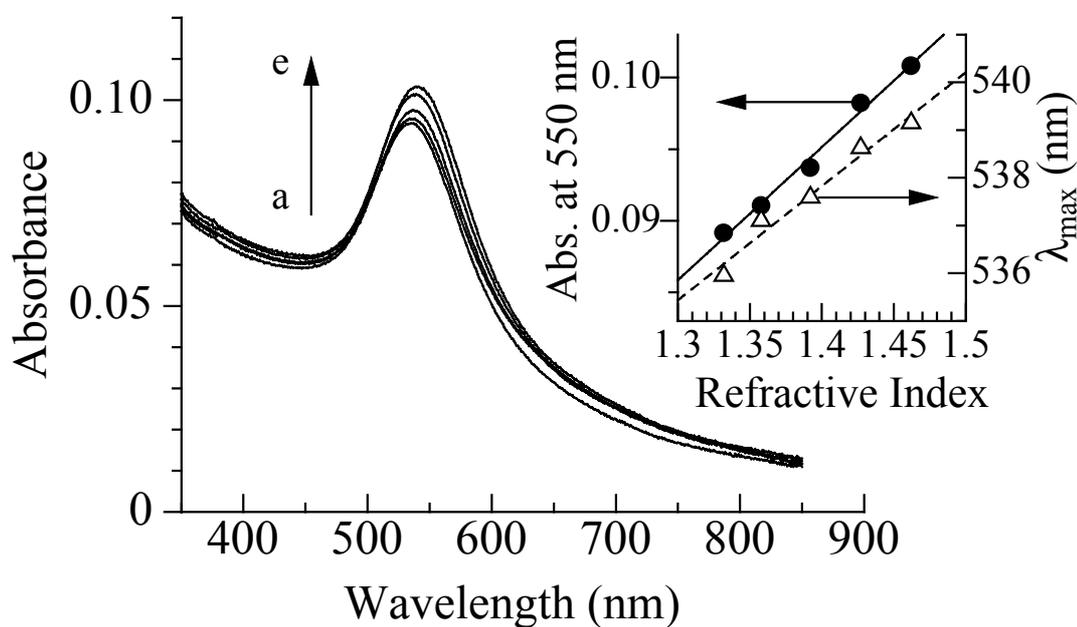
Sensing Capabilities of Colloidal Gold Modified with a Self-Assembled Monolayer of a Glucose-Carrying Polymer Chain on a Glass Substrate



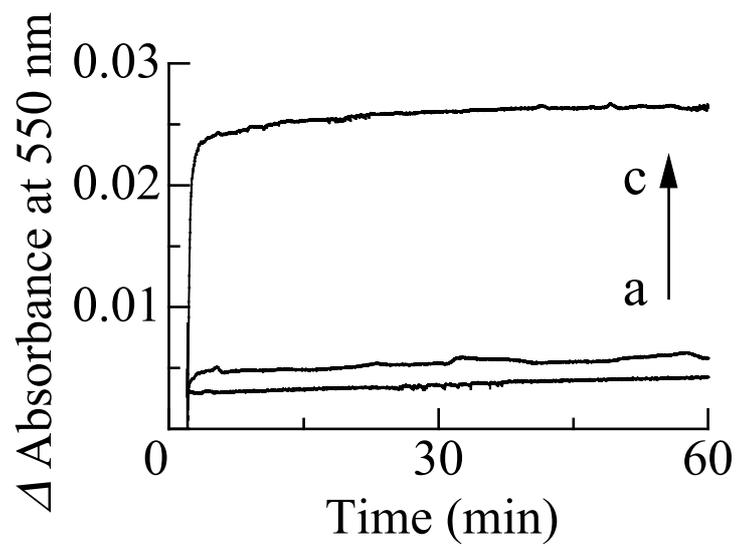
Supplement Figure 1: DLS data of the colloidal Au.



Supplement Figure 2: Photos of the colloidal Au-fixed glass substrate taken by AFM.



Supplement Figure 3: Absorbance spectra of Polymer-1-modified Au colloids on glass immersed in various solvents at 25 °C: (a) water ($n = 1.332$); (b) ethanol ($n = 1.360$); (c) 3 : 1 (v/v) ethanol-toluene ($n = 1.392$); (d) 1 : 1 (v/v) ethanol-toluene ($n = 1.427$); (e) 1 : 3 (v/v) ethanol-toluene ($n = 1.462$).



Supplement Figure 4: Absorbance change after contact of proteins with PMA SAM. The absorbance was monitored at 550 nm. BSA (a), Con A (b), and Lysozyme (c). [BSA] = [Con A] = [Lysozyme] = 0.2 mg/mL.