Electronic Supplementary Information

Scissor-based fluorescent detection of pepsin using lysozyme-stabilized Au nanoclusters

Wei Li,^{a‡} Zhao Gao,^{a‡} Rongxin Su,^{*a,b} Wei Qi,^{a,b} Libing Wang,^a and Zhimin He^a

^a State Key Laboratory of Chemical Engineering, Tianjin Key Laboratory of Membrane Science and Desalination Technology, School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, P. R. China. Fax: (86)022-27407599; Tel: (86)022-27407599; E-mail: surx@tju.edu.cn

^b Collaborative Innovation Center of Chemical Science and Engineering (Tianjin), Tianjin 300072, China

‡ Authors contribute equally to the work of the manuscript.



Figure S1 Time evolution of normalized fluorescence of ten times diluted AuNCs@Lys incubated at 37 °C. (Reaction time for AuNCs@Lys: 180min; Buffer: 50 mM pH 3.0 glycine-HCl buffer)



Figure S2 Fluorescence intensities of AuNCs@Lys solution at different pH values