Electronic Supplementary Material (ESI) for Analyst

Supplementary Information

Cancer antigen 125 detection using the plasmon resonance scattering properties of gold nanorods

Kaixia Zhang [a]*, Xiaolei Shen [b]*

[a] Institute of Pharmacy, JiangXi University of Traditional Chinese Medicine, Jiangxi 330004, P. R. China. E-mail: zhangkaixia-01@163.com

[b] Laboratory of Cellular and Molecular Immunology, Medical School of Henan University, Kaifeng 475004, P. R. China. E-mail: shen--xiaolei@163.com

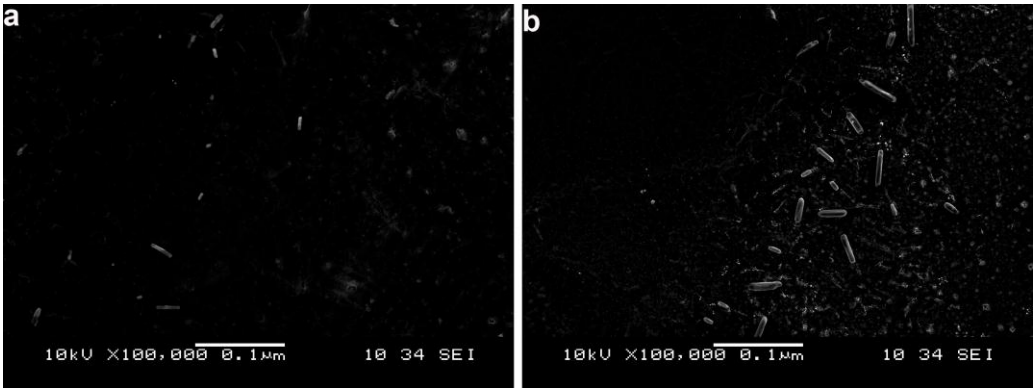

Figure S1 (a) SEM of gold nanorods; (b) SEM of anti-CA 125 conjugated GNRs in the presence of CA 125. Conditions: 0.8 nM gold nanorods, 0.4x anti-CA 125 conjugated GNRs + 30 U mL^{-1} CA 125.

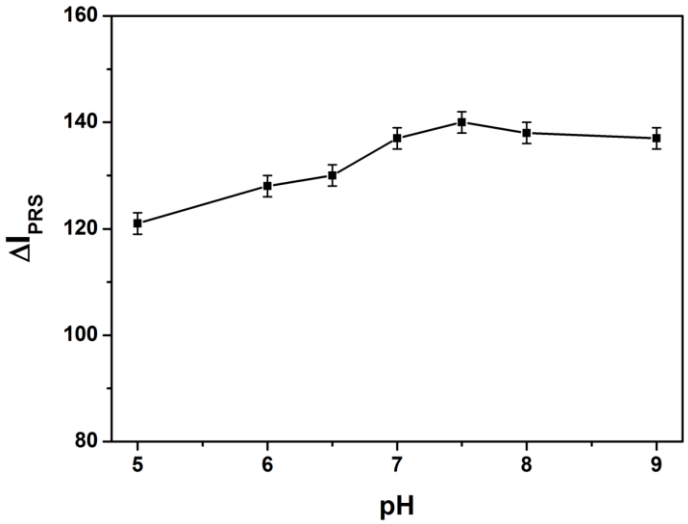

Figure S2 Effect of pH value on detection of 30 U mL^{-1} CA 125. Conditions: 0.4x anti-CA 125 conjugated GNRs.

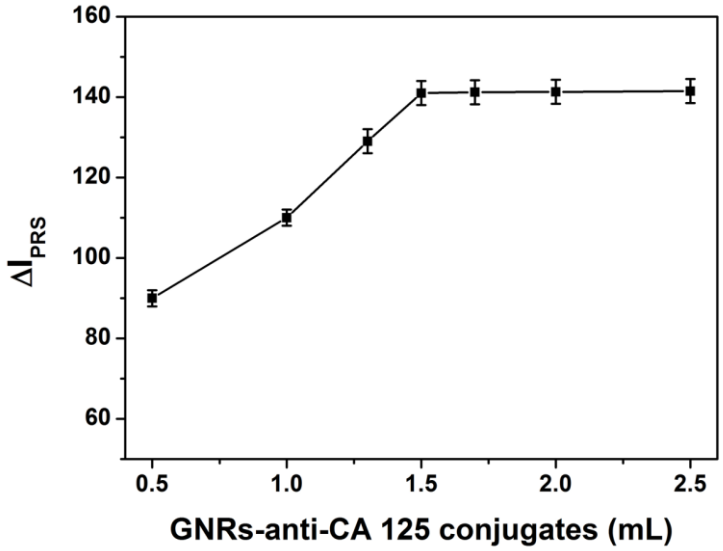

Figure S3 Effect of anti-CA 125 conjugated GNRs concentration on detection of 30 U mL^{-1} CA 125. Conditions: pH 7.5 PBS.