

Development of a gold-nanorod-based lateral flow immunoassay for fast and dual-modal detection of C-reactive protein in clinical plasma samples

*Renzhu Pang,^a Qunyan Zhu,^{*b} Jia Wei,^a Yaoqi Wang,^a Fengqin Xu,^{bc} Xianying Meng^{*a} and Zhenxin Wang^{*bc}*

^a Department of Thyroid Surgery, The First Hospital of Jilin University, Changchun, 130021, P. R. China. E-mail: mengxiany@mail.jlu.edu.cn

^b State key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, 130022, P. R. China. E-mail: wangzx@ciac.ac.cn and zhuqy@ciac.ac.cn

^c School of Applied Chemical Engineering, University of Science and Technology of China, Road Baohe District, Hefei, 230026, P. R. China.

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Additional Figures

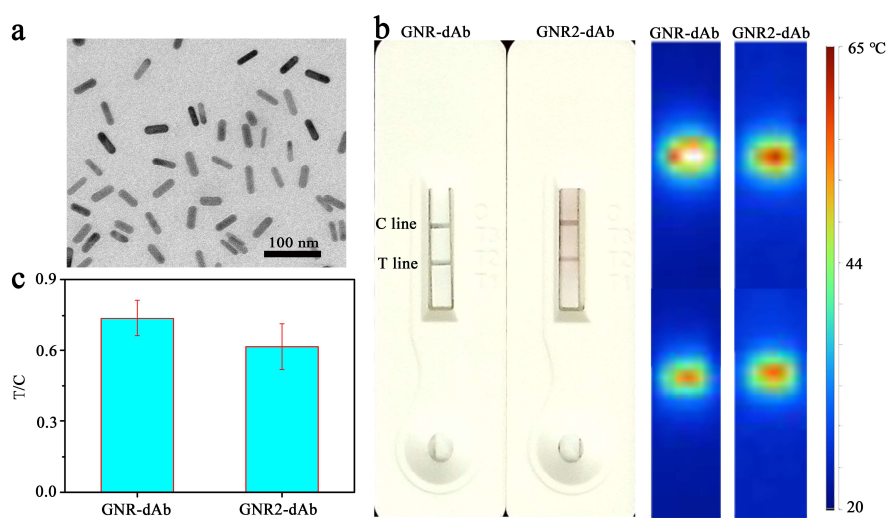


Fig. S1 (a) The TEM micrograph of GNR2-dAb. (b) Optical and photothermal images of immunochromatographic strips with GNR-dAb and GNR2-dAb as detection probes for detection of CRP under same experimental conditions, and (c) the corresponding T/C values. The concentration of CRP is 1 $\mu\text{g}/\text{mL}$. The average length of GNR2-dAb is 46.8 ± 2.7 nm and the aspect ratio is 3.31 ± 0.35 .

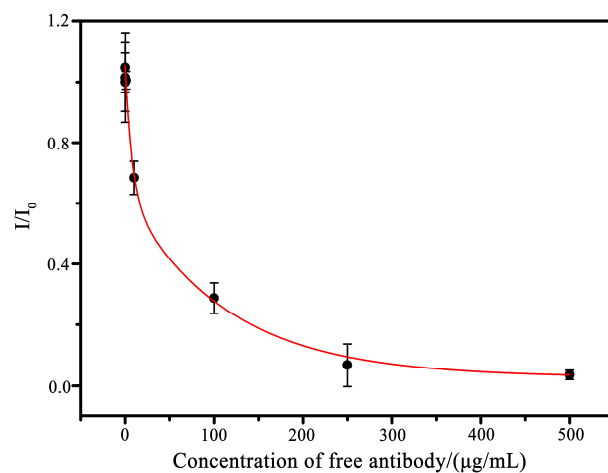


Fig. S2 The competitive experiment of free detection antibody (dAb) with GNR-dAb on the detection of 1 $\mu\text{g/mL}$ CRP. In this experiment, the free antibodies (dAb) with different concentrations were spiked into GNR-dAb solution, and then added onto the conjugate pad for CRP detection.