Electronic Supplementary Information

Lectin-Based Electrochemical Biosensor Constructed by Functionalized Carbon Nanotubes for the Competitive Assay of Glycan Expression on Living Cancer Cells

Xinai Zhang,[a,b] Yingqiao Teng,[a] Ying Fu,[a] Shengping Zhang,[c] Ting Wang,[c] Chuangui Wang,[c] Litong Jin[a] and Wen Zhang*[a]

[a] *Department of Chemistry, East China Normal University, Shanghai, 200062, P. R. China. Fax: +86 21 62232627; Tel: +86 21 62233509;*
E-mail: wzhang@chem.ecnu.edu.cn
[b] *School of Food and Biological Engineering, Jiangsu University, Zhenjiang, 212013, P. R. China*
[c] *Institute of Biomedical Sciences, East China Normal University, Shanghai, 200241, P. R. China*

Contents:

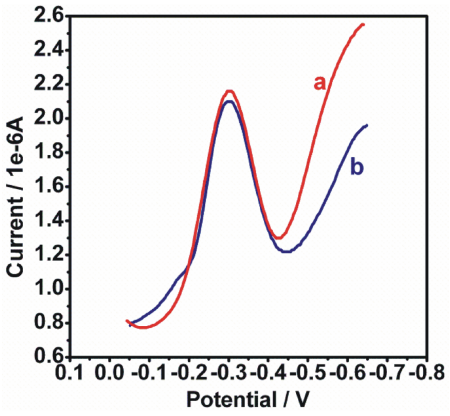

Fig. S1 The selectivity test for the analysis of living cells. The Con A-based biosensor was used for the assay of 95-D cells at the concentration of 2.0×10^4 cells mL^{-1} (a) and mannose sample at the concentration of 0.0093 μM (b).

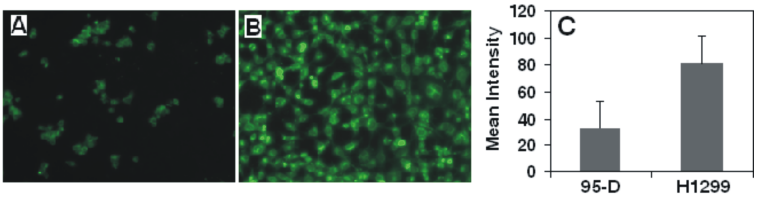

Fig. S2 Fluorescence images of (A) 95-D and (B) H1299 cells stained with Fluorescein Con A (5.0 μg mL^{-1}), respectively. The graph of the mean fluorescence intensity by the addition of 95-D and H1299 cells (C).