

A molecularly imprinted nanocavity-based fluorescence polarization assay platform for cortisol sensing

Nobuo Murase¹, Shin-ichi Taniguchi², Eri Takano¹, Yukiya Kitayama¹ and Toshifumi Takeuchi^{1*}

1. Graduate School of Engineering, Kobe University, 1-1, Rokkodai-cho, Nada-ku, Kobe 657-8501, Japan
E-mail: takeuchi@gold.kobe-u.ac.jp; Fax: +81 78 803 6158; Tel: +81 78 803 6158
2. Research & Development Group, Hitachi, Ltd., 292 Yoshida-cho, Totsuka-ku, Yokohama 244-0817, Japan

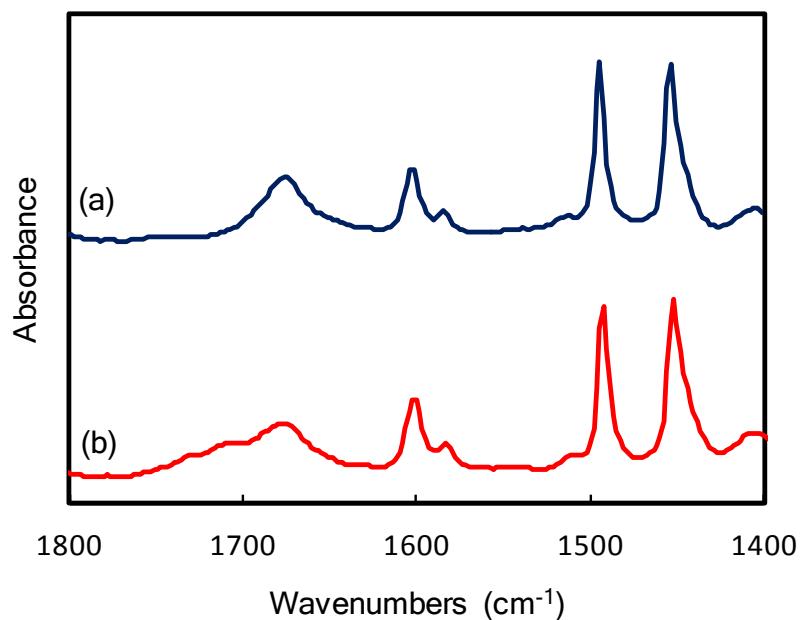


Figure S1. FT-IR spectra of P(S-DVB) seed particles (a) and MIP-NPs (b).

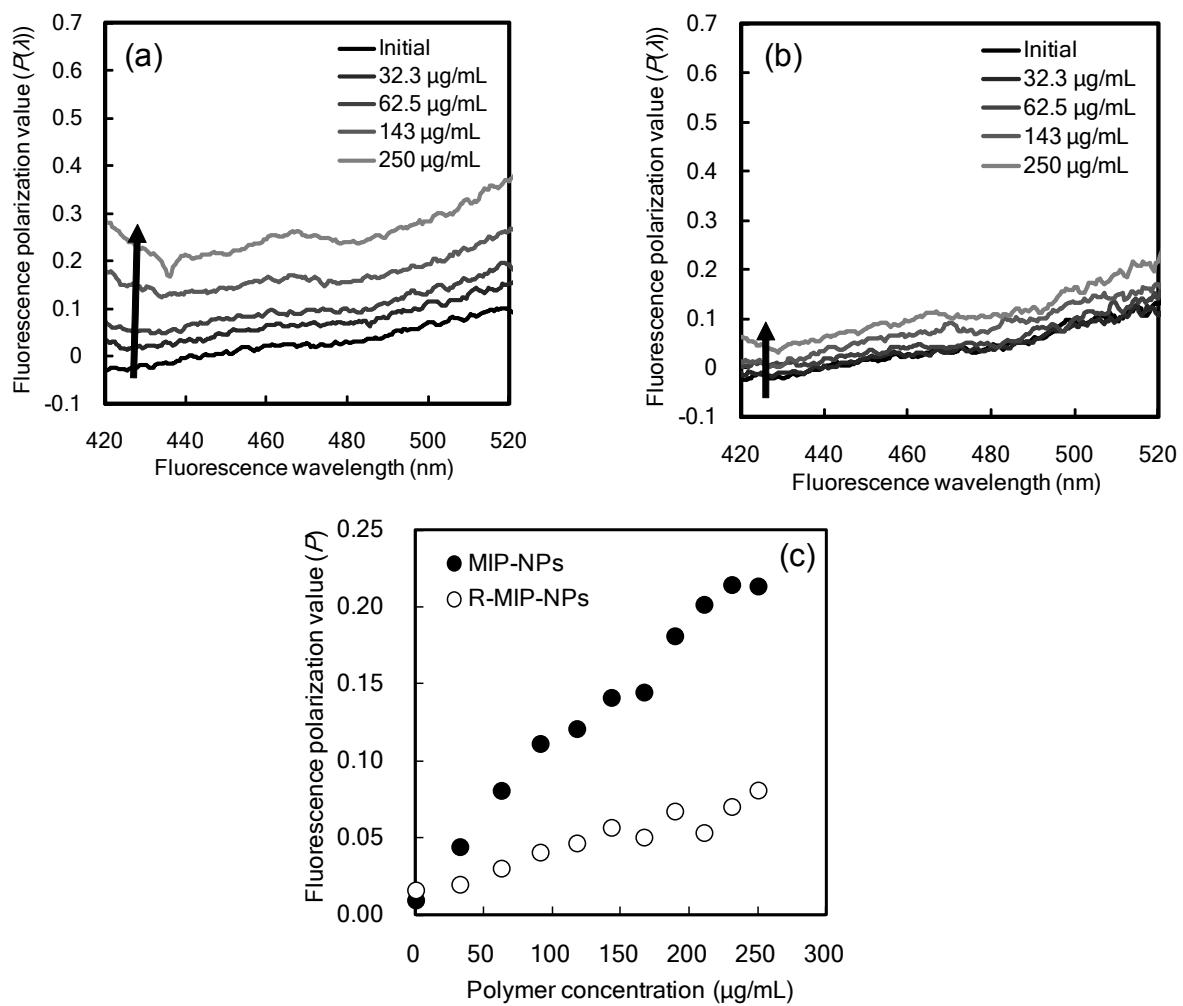


Figure S2. Fluorescence polarization behaviors of dansyl-cortisol with titration of MIP-NPs (a) and R-MIP-NPs (b), and concentration dependence of the P values at 450 nm on the titration of MIP-NPs and R-MIP-NPs (final concentrations: 32.3–250 μ g/mL) (c).