

Supporting Information

Modified Floating Electrode-Based Sensors for the Quantitative Monitoring of Drug Effects on Cytokine Levels Related with Inflammatory Bowel Diseases

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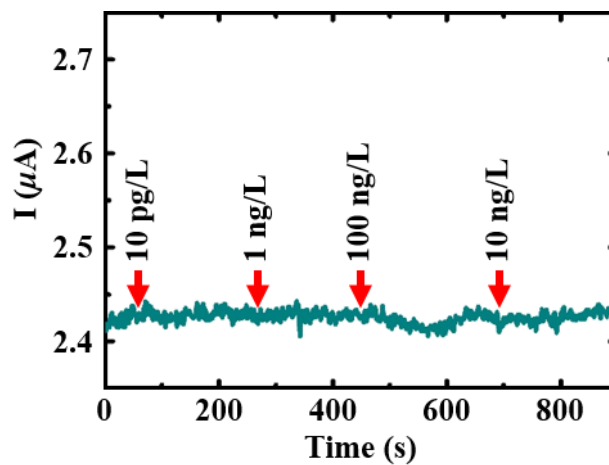


Figure S1. Real-time electrical current measurement of a CNT-FET sensor with pristine floating electrodes in response to the addition of various TNF- α concentrations. There is no significant effect on the currents in the sensor caused by TNF- α solutions.

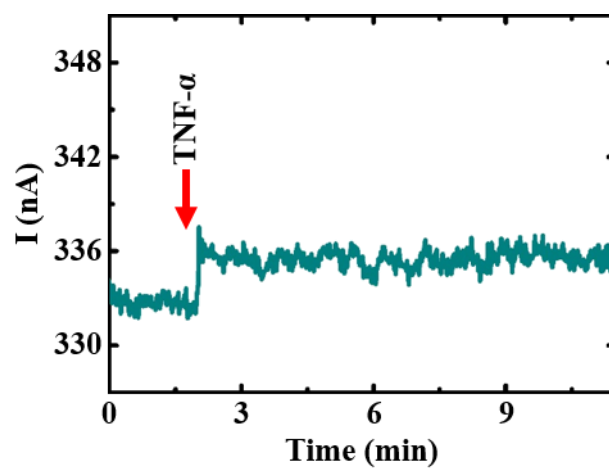


Figure S2. Real-time electrical current measurement of a TNF sensor for 10 min. The electrical currents in the sensor increased and gradually stabilized after the addition of $1\ \mu\text{g/L}$ TNF- α solution. This result implies the long-term stability of the signal of TNF sensors.