

Figure S1. Reproducibility test of collecting and applying saliva using a cotton swab to the gap-LFIA. (A), Average sample volume collected by the cotton swab in Step 1 in Figure 2. All data shown are presented as the mean \pm standard deviation ($n = 7$). (B), The portions of eluted saliva samples from the cotton swab in Step 3 in Figure 2. All data shown are presented as the mean \pm standard deviation ($n = 3$).

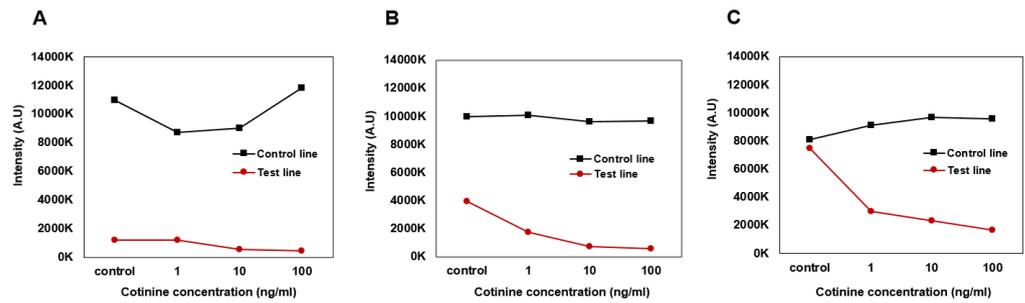


Figure S2. Optimization for the concentration of anti-cotinine antibody in the gap-LFIA. (A) 12.5 ng/ml, (B) 25 ng/ml, and (C) 50 ng/ml of the anti-cotinine antibody.

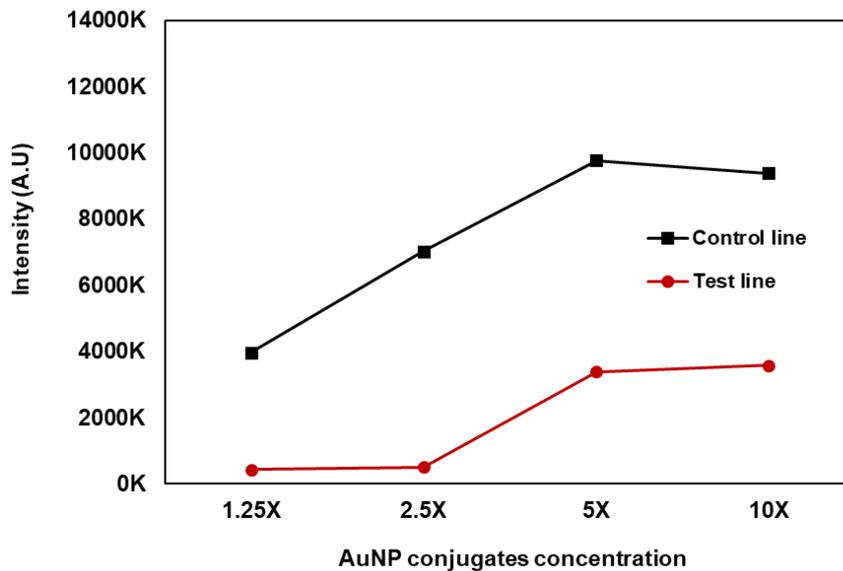


Figure S3. Comparison of the intensity of the gap-LFIA with 25 ng/mL cotinine antibody by the concentration of AuNP-secondary Ab conjugates without cotinine.

