Supporting Information

Development of 6E3 Antibody-Mediated SERS Immunoassay for Drug-Resistant Influenza Virus

Hyeran Kim, Hyunju Kang, Hye-Nan Kim, Hongki Kim, Jeong Moon, Kyeonghye Guk, Hwangseo Park, Dongeun Yong, Pan Kee Bae, Hyun Gyu Park, Eun-Kyung Lim,* Taejoon Kang,* and Juyeon Jung*

Figure S1. SEM images of Au NPs-on-nanoplate structures after the detection of H275Y pH1N1 (0, 10², 10³, 10⁴, 10⁵ PFU/mL).
Figure S2. (A) SERS spectra of MGITC as a function of H275Y pH1N1 concentration (0, 10^2, 10^3, 10^4, and 10^5 PFU/mL) in WT pH1N1 (10^5 PFU/mL). (B) Plot of integrated 1,615 cm\(^{-1}\) band intensity versus H275Y pH1N1 concentration (0, 10^2, 10^3, 10^4, and 10^5 PFU/mL) in WT pH1N1 (10^5 PFU/mL). Error bars = standard deviation (n = 10).
Figure S3. Full SERS spectra corresponding to Figure 5C.
Figure S4. Normalized Ct value versus no template control, bare, WT pH1N1-spiked, and H275Y-spiked human nasopharyngeal aspirate samples. Error bars = standard deviation (n = 3).