

Supplementary information-2

Synthesis of crystalline zeolitic imidazole framework-8 nano-coating on single environment-sensitive viral particle for enhanced immune responses

Liuyang Wang,^{‡a,b} Xuan Lin,^{‡b} Yanan Sheng,^b Hongyu Zhu,^{b,c} Zhengjun Li,^b Zhiguo Su,^b Rong Yu,^{a*} Songping Zhang^{b*}

* Corresponding authors

^a Key Laboratory of Drug-Targeting and Drug Delivery System of the Ministry of Education, West China School of Pharmacy, Sichuan University, Chengdu, 610041, China

^b State Key Laboratory of Biochemical Engineering, Institute of Process Engineering, Chinese Academy of Sciences, Beijing 100190, China

^c Division of Molecular Science, Graduate School of Science and Technology, Gunma University, Kiryu, 376-8515, Japan.

*Corresponding authors:

Rong Yu, E-mail: yurong@scu.edu.cn

Songping Zhang, Tel (Fax): +86-10-82544958, E-mail: spzhang@ipe.ac.cn

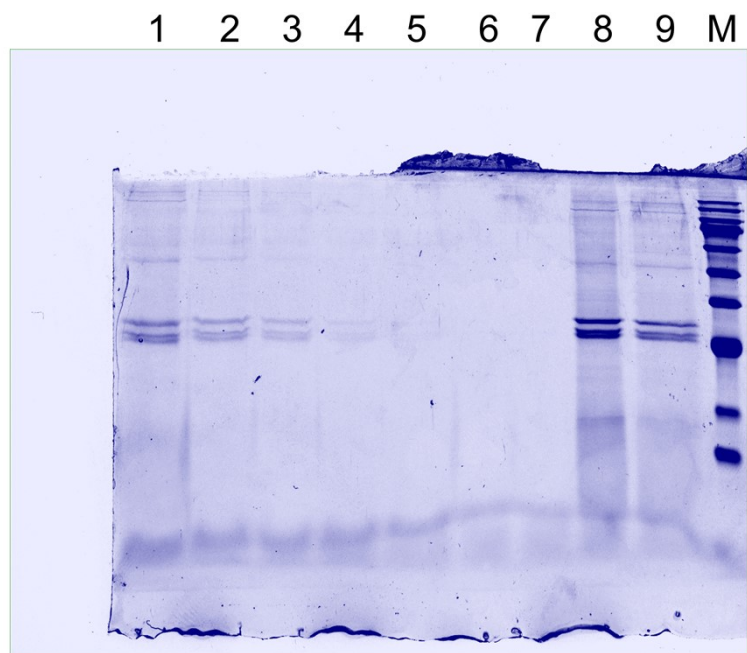


Figure. S1 Underlying raw SDS-PAGE image of **Figure. 2b** in result. Lanes 1-5: reaction supernatant of 2, 4, 6, 8, and 10 hours; lanes 6 and 7: washing supernatant; lane 8: suspension of synthesized 146S@ZIF-8; lane 9 and M: 146S reference and Marker.

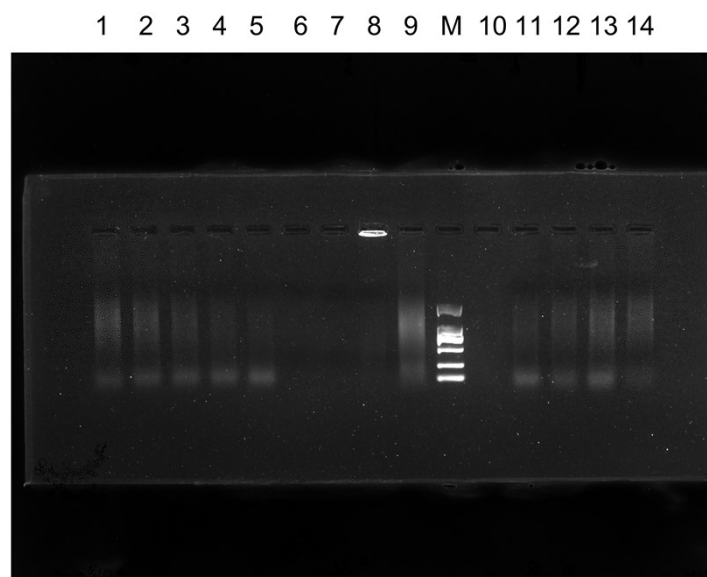


Figure. S2 Underlying raw agarose gel electrophoresis image of **Figure. 2b** in result. Lanes 1-5: reaction supernatant of 2, 4, 6, 8, and 10 hours; lanes 6 and 7: washing supernatant; lane 8: suspension of synthesized 146S@ZIF-8; lane 9 and M: 146S reference and Marker; lane 10-14 were not related to this manuscript.

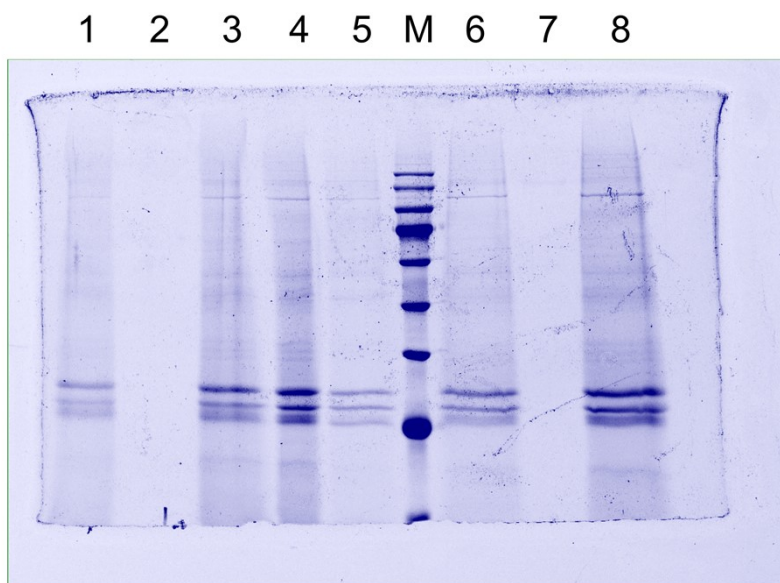


Figure. S3 Underlying raw SDS-PAGE image of **Figure. 3b** in result. Lane 1: the lysate mixture of the 146S@ZIF-8; Lane 2: the supernatant of the lysate mixture; Lane 3: the insoluble substances after EDTA treatment that re-suspended into PSB with half volume of the lysate solution; Lane 4 and M: 146S reference and marker; lane 5-8 were not related to this manuscript.