Supporting information

A Simple Ag-MoS₂ Hybrid Nanozyme-Based Sensor Array for Colorimetric Identification of Biothiols and Cancer Cells

Yin Li^a, Yumeng Liu^d, Yueqin Zhang^d, Mengmeng Dong^e, Lidong Cao^{b,c*},

Kai Jiang^{b*}

- ^a Department of Dermatology, Children's Hospital, Zhejiang University School of Medicine, Hangzhou, China.
- ^b Department of Hepatobiliary & Pancreatic Surgery and Minimally Invasive Surgery, Zhejiang Provincial People's Hospital, Affiliated People's Hospital, Hangzhou Medical College Hangzhou, China.
- ^c College of Mechanical Engineering, Zhejiang University Hangzhou, China.
- ^d School of Public Health, Hangzhou Medical College Hangzhou, China.
- ^e Clinical Research Institute, Zhejiang Provincial People's Hospital (Affiliated People's Hospital), Hangzhou Medical College, Hangzhou, China.
- * Correspondence: <u>ilkwenxu2019@sina.com</u> (Lidong Cao) and <u>jiangkai3212@126.com</u> (Kai Jiang)

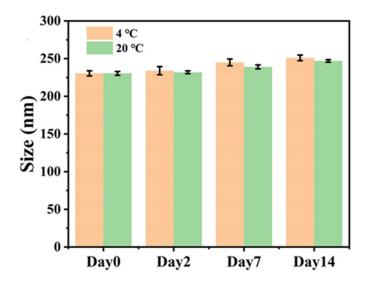
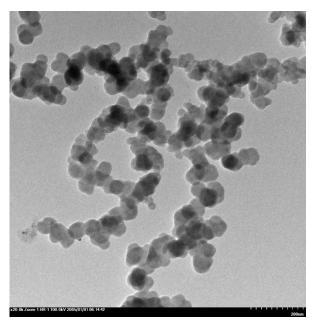


Fig. S1 Sizes of material stored at 4 °C and 20 °C during 14 days, analyzed by DLS.



 $\label{eq:Fig.S2} \textbf{Fig. S2} \ \text{Typical TEM image of Ag NPs.}$

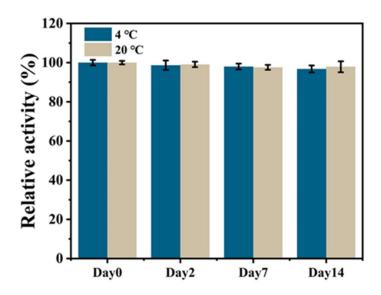


Fig. S3. Stability test of $Ag-MoS_2$ nanozyme. POD-like catalytic performance of material stored at 4 °C and 20 °C during 14 days.

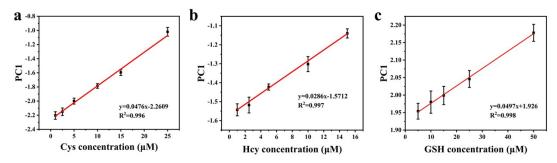


Fig. S4. Linear relationship between and PC factor and concentration of Cys (a), Hcy (b), and GSH (c), respectively.