Electronic Supplementary Information (ESI)

Fast, highly sensitive and selective assay of iodide ions with single-stranded DNA-templated copper nanoparticles as a fluorescent probe for its application in Kunming mice samples

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The analytical parameters of the proposed method

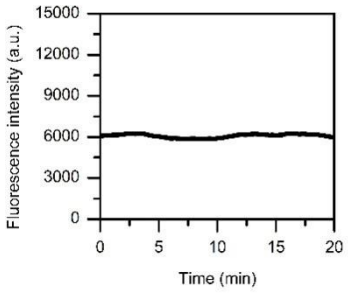

Figure S1: The fluorescence kinetics curve of ssDNA-CuNPs with iodide ion (25 μM)

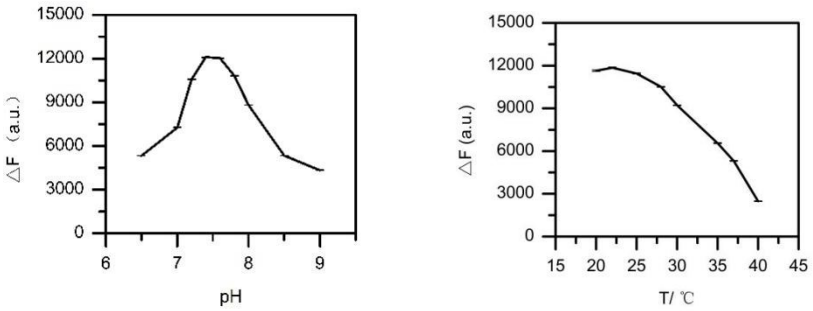

Figure S2: The effect of pH and temperature on reaction between ssDNA-CuNPs and iodide ion (60 μM)

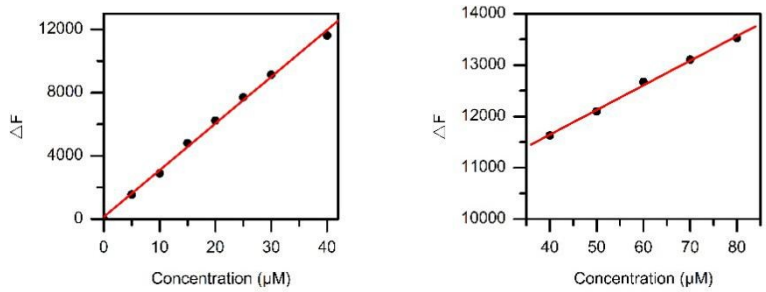

Figure S3: Calibration curve of the assay system for I^- detection**.**

Preparation of the animal model:

Male Kunming mice at 30 days of age were obtained from the Department of Laboratory Animal Science, Shandong University (Jinan, China). All mice were maintained in an AAALAC accredited facility, and all work with mice followed National Institutes of Health guidelines was approved by the Animal Care Committee of Shandong University (Approved protocol No. 20161002). We obtained male Kunming mice model and determined the I^- content.

References

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