

Supporting Information

Smartphone Based Highly Sensitive Visualized Detection of Acid Phosphatase Enzyme Activity

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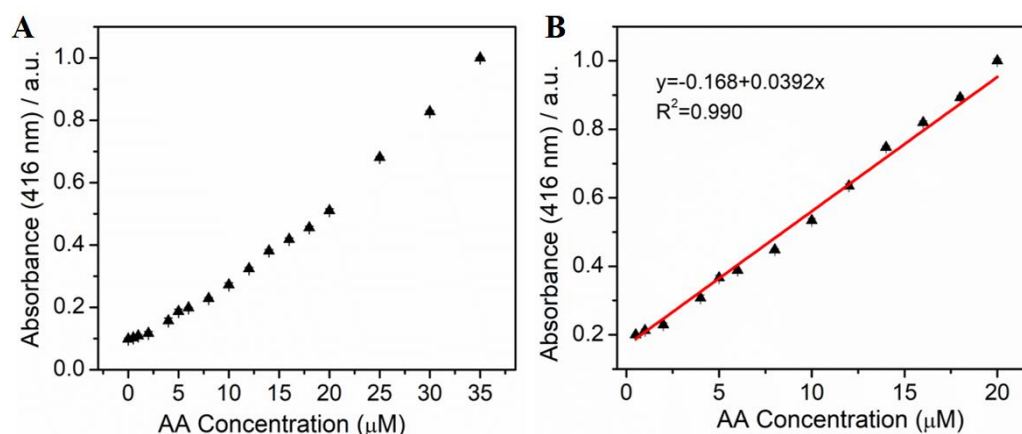


Fig. S1 (A) The absorbance values at 416 nm of the system in the presence of different concentrations of AA. (B) The linear regression to plots of the absorbance at $\lambda = 416$ nm with the concentration of AA. The error bars represent the standard deviation of three measurements.

Table S1 Comparative table for the detection of ascorbic acid.

Methods	Materials	Linear range	LOD	Ref.
Fluorescence	BSA-Au NCs	0.75-20 μ M	0.2 μ M	[1]
Fluorescence	AgInS ₂ QDs	0.66-99 μ M	26 nM	[2]
Fluorescence	N-CDs-MnO ₂	30-220 μ M	0.36 μ M	[3]
Colorimetric	Cu NPs@C	10-1000 μ M	1.41 μ M	[4]
Colorimetric	Cu-Ag/rGO	0.005-0.03 mM	3.6 μ M	[5]
Colorimetric	FeCo NPs@PNC	0.5-28 μ M	0.38 μ M	[6]
Colorimetric	Au@Ag NPs	0.5-20 μ M	0.08 μ M	This work

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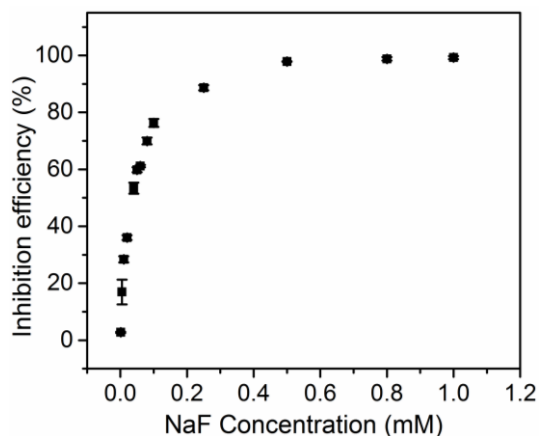


Fig. S2 The inhibition efficiency of NaF towards ACP. The error bars represent the standard deviation of three measurements.

References

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