

Supplementary Information

**Dual ligand co-functionalized fluorescent gold nanoclusters for “turn on” sensing
of glutathione in tumor cells**

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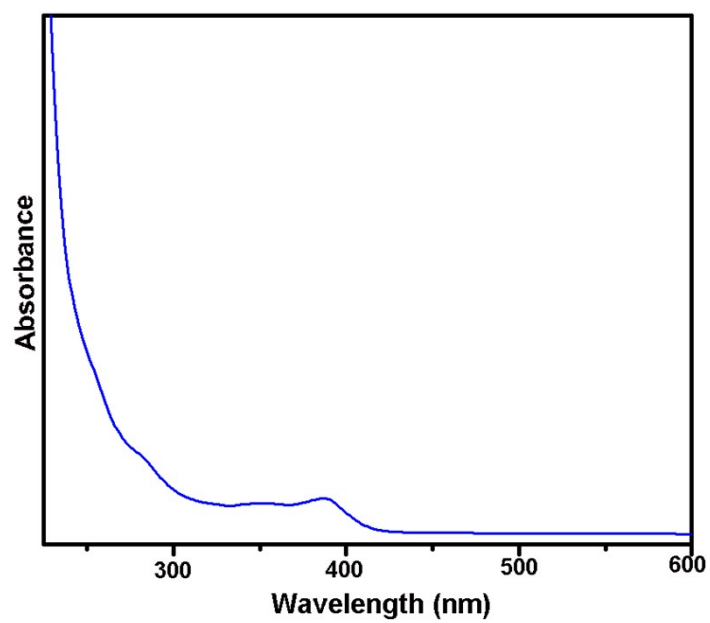


Fig. S1 Absorption spectra of the prepared dual ligand co-functionalized fluorescent Au NCs.

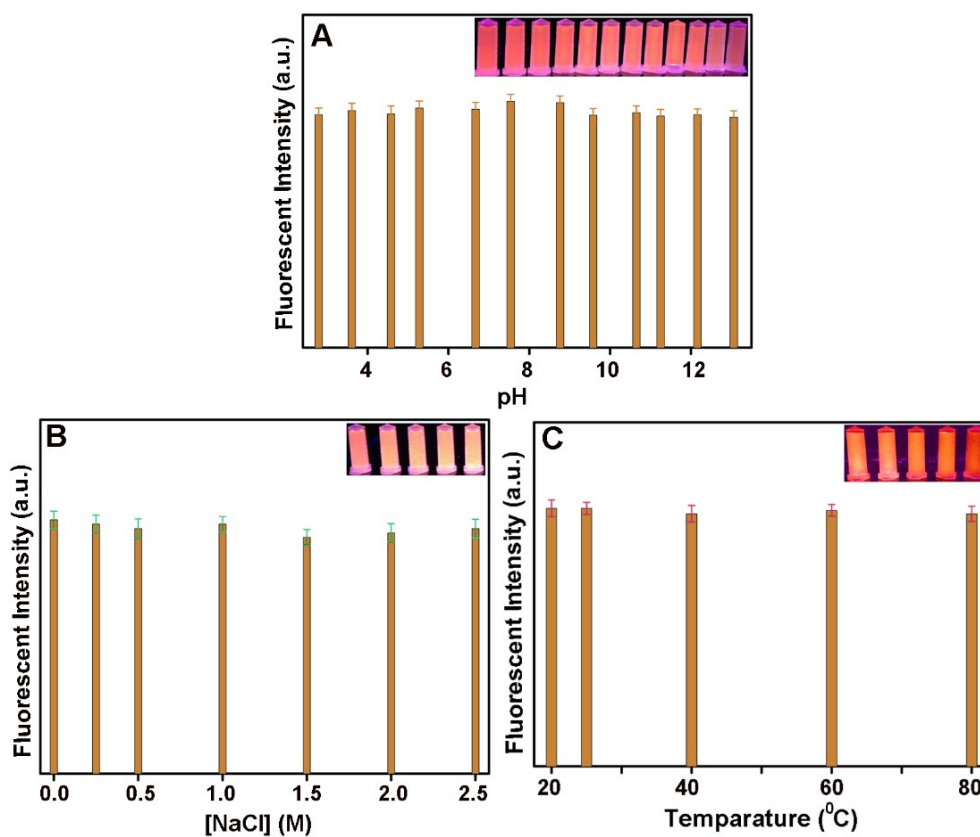


Fig. S2 The fluorescence stability of as-prepared dual ligand co-functionalized fluorescent Au NCs under (A) various pH values, (B) different concentrations of NaCl, (C) various temperatures.

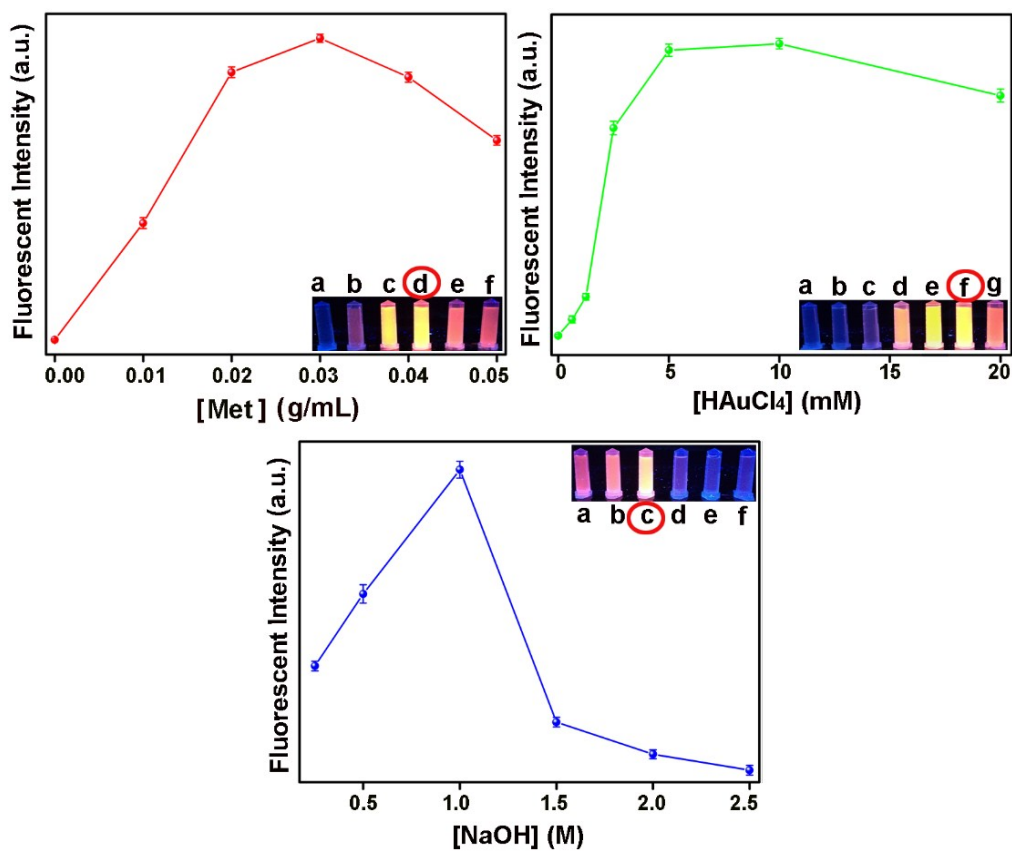


Fig. S3 Influence of the synthesis conditions: (A) the concentration of Met, (B) HAuCl₄ and (C) NaOH on the fluorescent intensity of the as-prepared dual ligand co-functionalized fluorescent Au NCs.

As shown in Figure S3, an optimal composition of 0.03 g/mL of Met, 10 mM HAuCl₄ and 1.0 M NaOH generates the highest red-orange emission of the Au NCs.