

Supporting Information

Table S1. ζ potential measurement of AuNPs solution in different conditions *

Number	a	b	c
ζ potential (mV)	-24.28	-12.07	-9.65

* (a) triazolylcoumarin-AuNPs solution; (b) triazolylcoumarin-AuNPs solution with the addition of lysozyme of 1.0 $\mu\text{g}/\text{mL}$ and 5.0 $\mu\text{g}/\text{mL}$ (c).

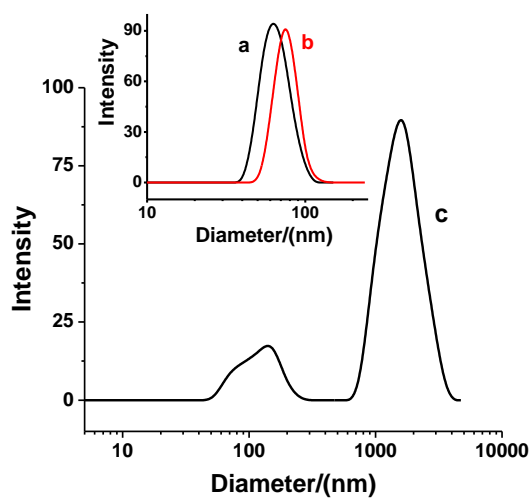


Figure S1. DLS measurements of AuNPs solution in different conditions: (a) AuNPs solution with the addition of PVP (0.25 mM); (b) triazolylcoumarin-AuNPs solution with the addition of PVP; (c) triazolylcoumarin-AuNPs solution with the addition of lysozyme (1.0 $\mu\text{g}/\text{mL}$). The concentration of triazolylcoumarin was 10 μM .

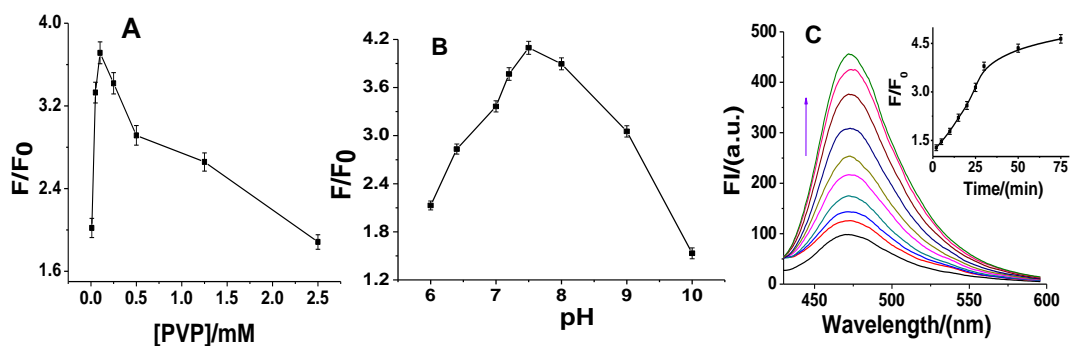


Figure S2. (A) Impact of concentrations of PVP on the fluorescence increase factor (F/F_0). (B) Impact of pH value of the buffer solution on the fluorescence increase factor. (C) Time dependence of the fluorescence intensity after addition of lysozyme ($1.0 \mu\text{g/mL}$) to triazolylcoumarin-AuNPs solution; Inset: Time dependence of the fluorescence increase factor. F and F_0 were the fluorescence of triazolylcoumarin-AuNPs solution in the presence and absence of lysozyme, respectively.