

## Supporting information

### Au<sub>25</sub>(SG)<sub>18</sub> as fluorescent iodide nanosensor

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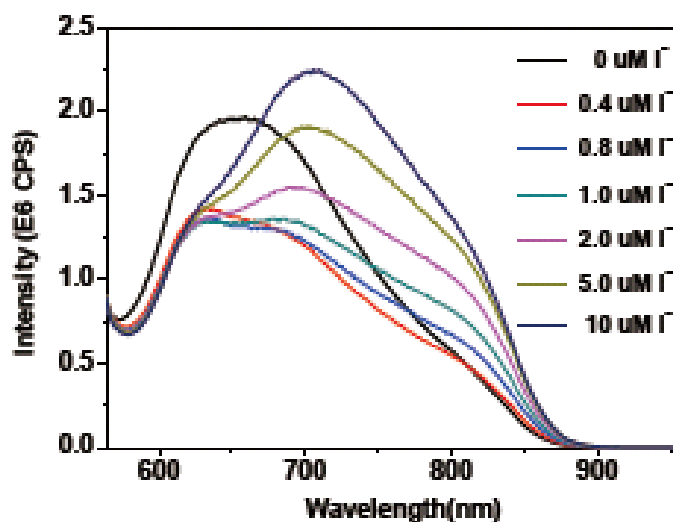


Figure S1. Fluorescence spectra of Au<sub>25</sub>(SG)<sub>18</sub> (~1.6 μM in H<sub>2</sub>O) with successive titration of iodide.

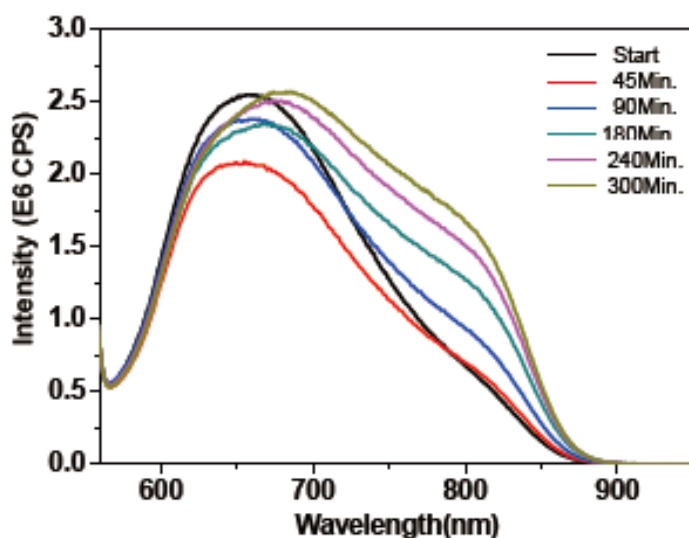


Figure S2. Time-dependent fluorescence of Au<sub>25</sub>(SG)<sub>18</sub> after the addition of 400nM NaI.