

Water-Soluble Au₂₅(Capt)₁₈ Nanoclusters: Synthesis, Thermal Stability, and Optical Properties

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1. Supporting Figures:

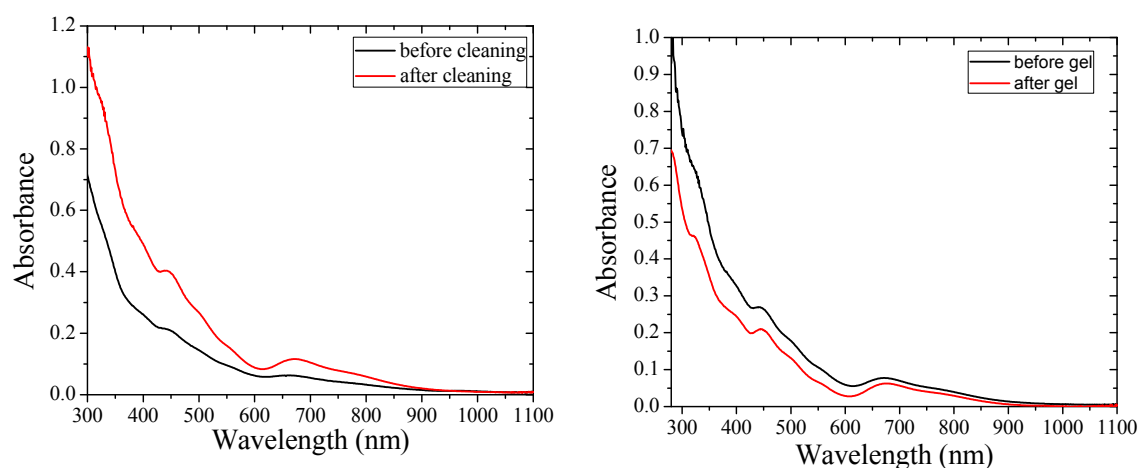


Figure 1. (A) UV-vis spectra of Au₂₅(Capt)₁₈ before and after cleaning (i.e. precipitation/redispersion); (B) UV-vis spectra of Au₂₅(Capt)₁₈ before and after PAGE gel purification.

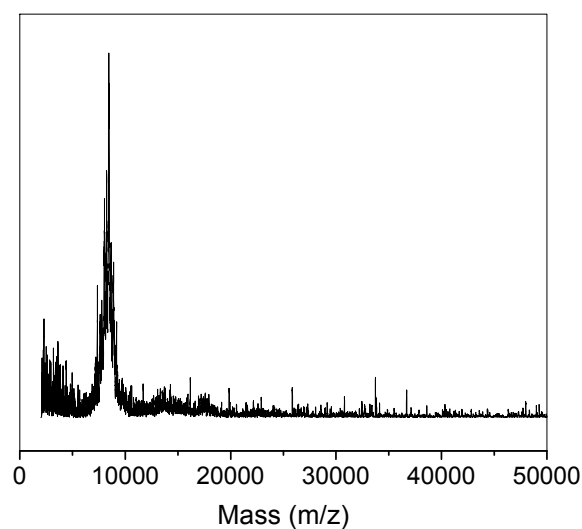


Figure S2. Wide range MALDI-MS analysis of the Au₂₅(Capt)₁₈ nanoclusters.

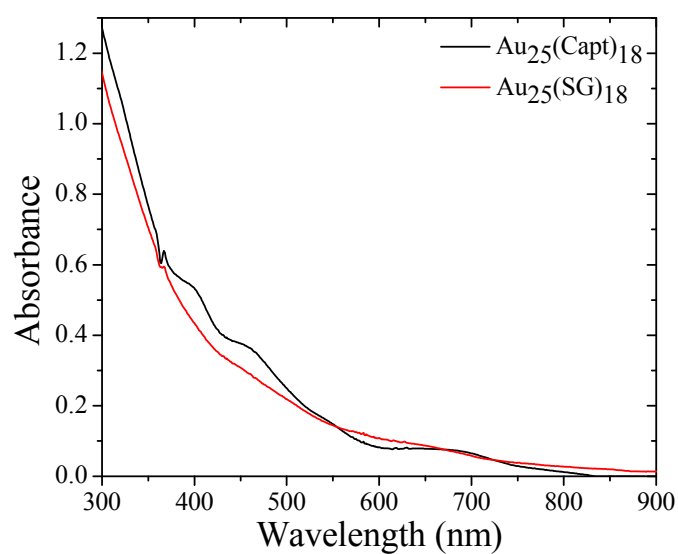


Figure S3. UV-Vis spectra of $\text{Au}_{25}(\text{Capt})_{18}$ and $\text{Au}_{25}(\text{SG})_{18}$ solutions after heating for 24 hr at 80 °C.

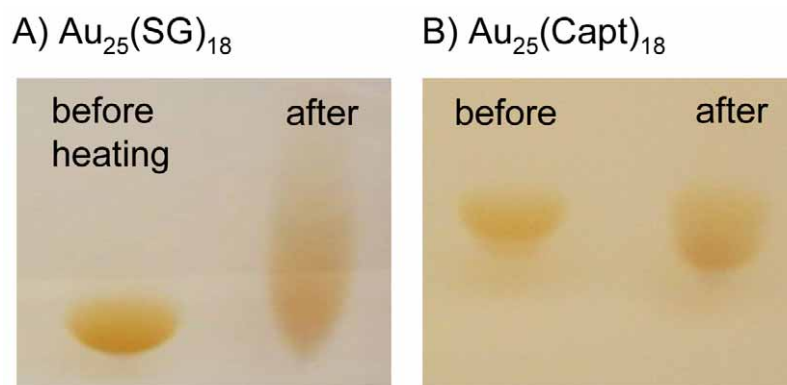


Figure S4. PAGE images of $\text{Au}_{25}(\text{Capt})_{18}$ (panel A) and $\text{Au}_{25}(\text{SG})_{18}$ (panel B) before/after heating for 12 hr at 80 °C.

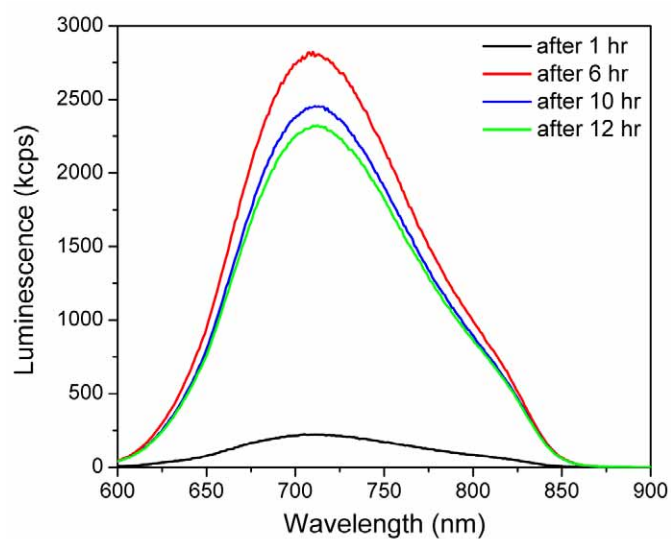


Figure S5. Time dependence fluorescence of $\text{Au}_{25}(\text{Capt})_{18}$ during the 12 hr heating process (note: the room temperature solution showed a fluorescence peak intensity of ~140 kcps).

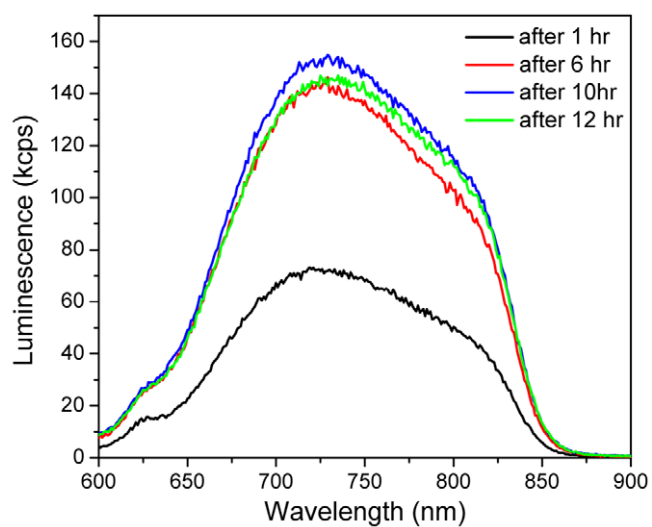


Figure S6. Time dependence fluorescence of $\text{Au}_{25}(\text{Capt})_{18}$ during the 12 hr heating process (note: the room temperature solution showed a fluorescence peak intensity of ~72 kcps).