

Synthesis of Heterotelechelic Polymers for Conjugation of Two Different Proteins

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Supporting Information

Full Reference

18. Kochendoerfer, G. G.; Chen, S. Y.; Mao, F.; Cressman, S.; Traviglia, S.; Shao, H. Y.; Hunter, C. L.; Low, D. W.; Cagle, E. N.; Carnevali, M.; Gueriguian, V.; Keogh, P. J.; Porter, H.; Stratton, S. M.; Wiedeke, M. C.; Wilken, J.; Tang, J.; Levy, J. J.; Miranda, L. P.; Crnogorac, M. M.; Kalbag, S.; Botti, P.; Schindler-Horvat, J.; Savatski, L.; Adamson, J. W.; Kung, A.; Kent, S. B. H.; Bradburne, J. A. *Science* **2003**, 299, (5608), 884-887.

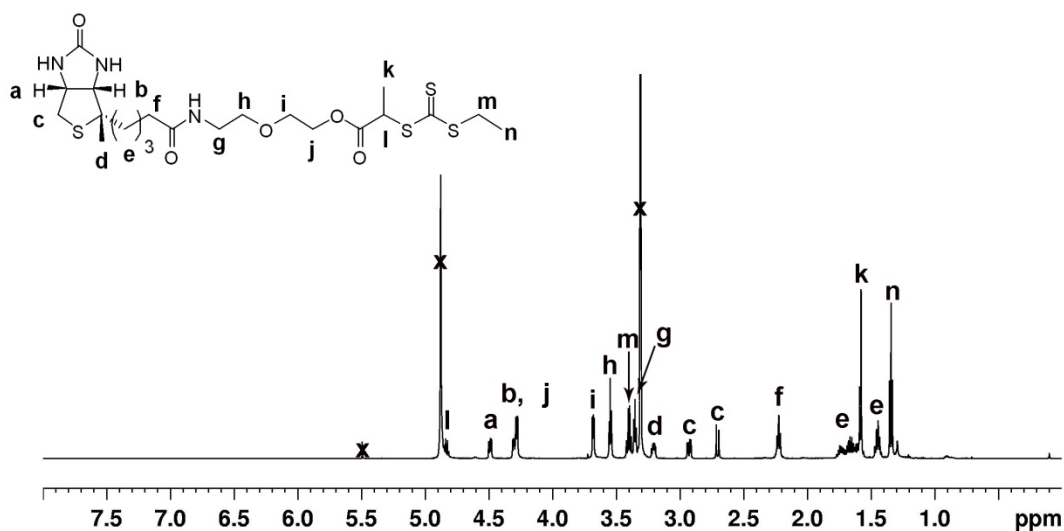


Figure S1. ¹H NMR of biotinylated CTA1 (CD₃OD).

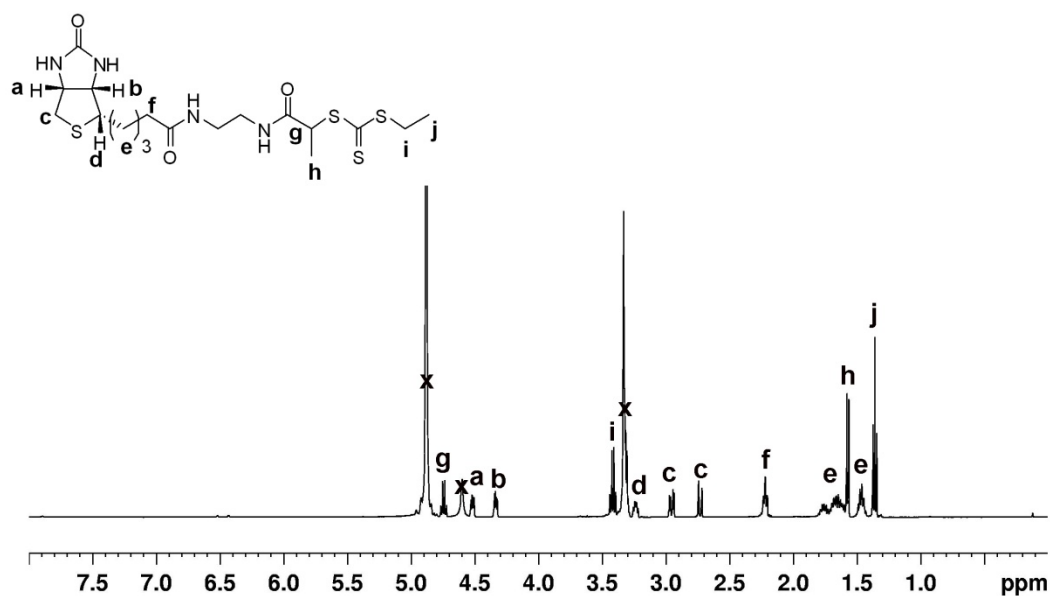


Figure S2. ^1H NMR of biotinylated CTA2 (CD_3OD).

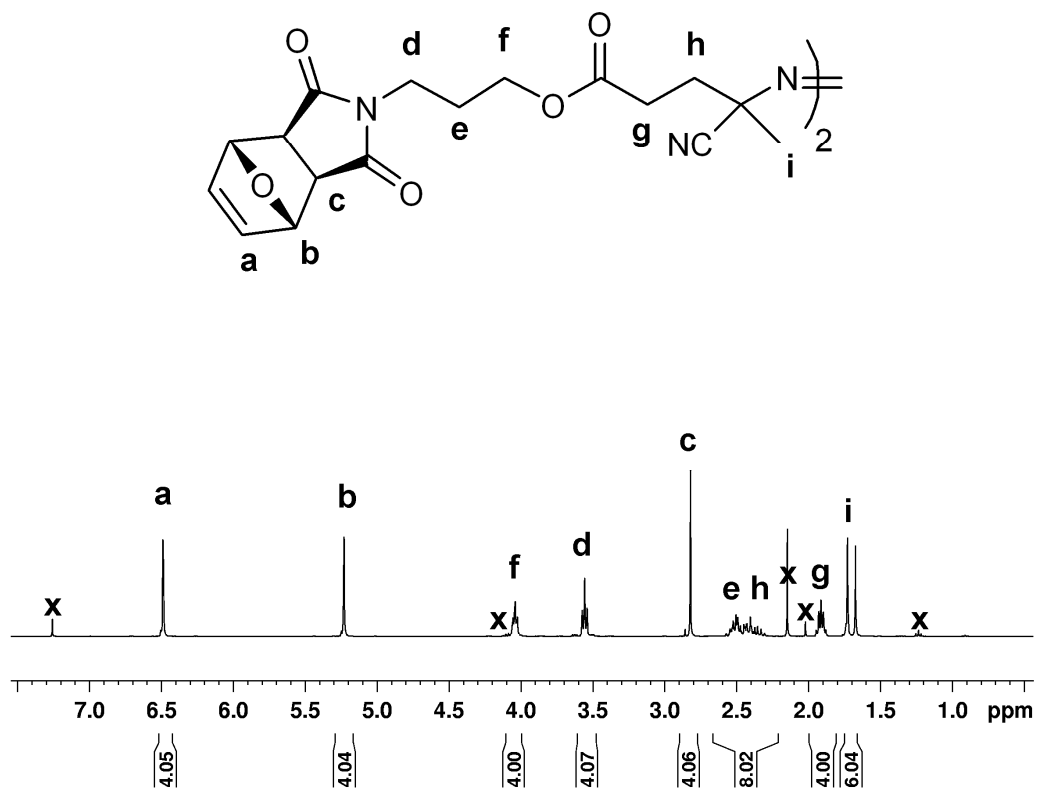


Figure S3. ^1H NMR of azo initiator 4 (CD_3Cl). X on residual solvent peaks.

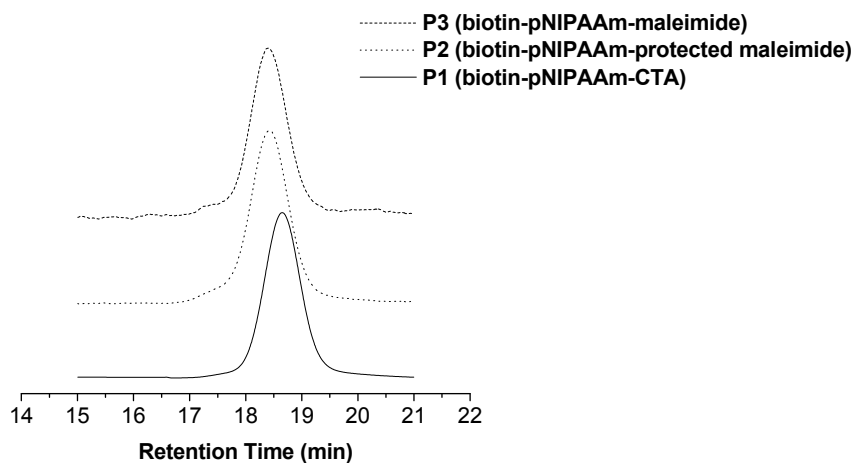


Figure S4. GPC chromatograms of biotinylated pNIPAAm synthesized from **CTA2**, biotin-protected maleimide pNIPAAm from **CTA2**, and biotin-maleimide pNIPAAm (**P4**). GPC was conducted in DMF containing 0.1 M LiBr at 0.80 mL/min.

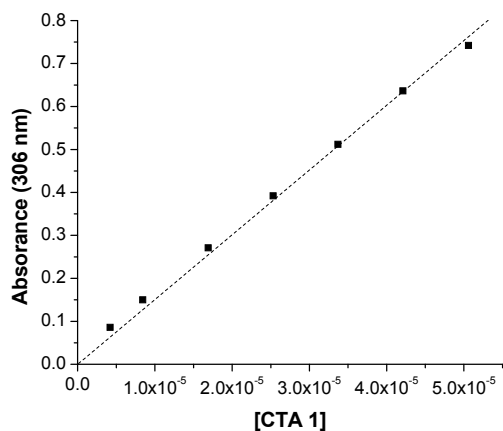


Figure S5. UV-Vis absorption study of **CTA1**

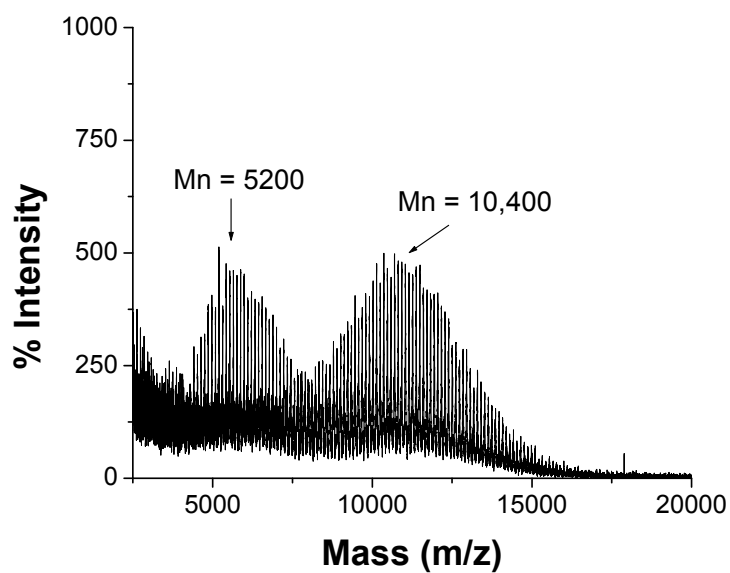


Figure S6. MALDI-TOF spectrum of biotinylated pNIPAAm **P1**.

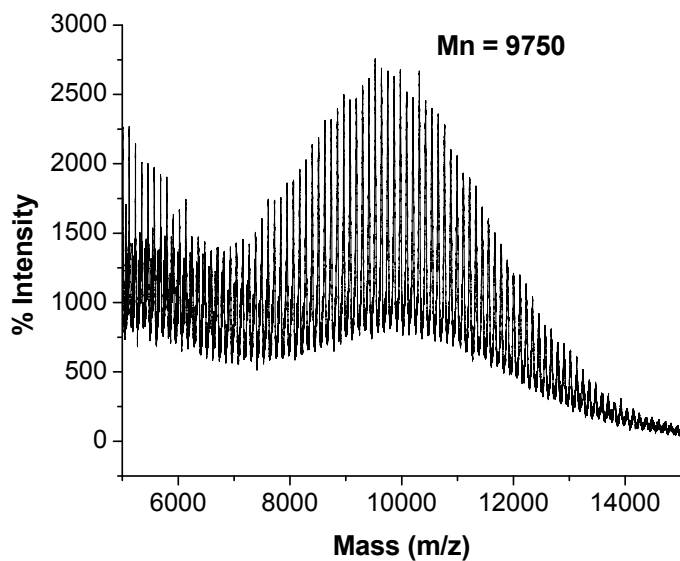


Figure S7. MALDI-TOF spectrum of biotinylated pNIPAAm synthesized from **CTA 2**, with trithiocarbonate end-group.