

Supplementary information

Facile Synthesis of Multivalent Nitrilotriacetic Acid (NTA) and NTA Conjugates for Analytical and Drug Delivery Applications

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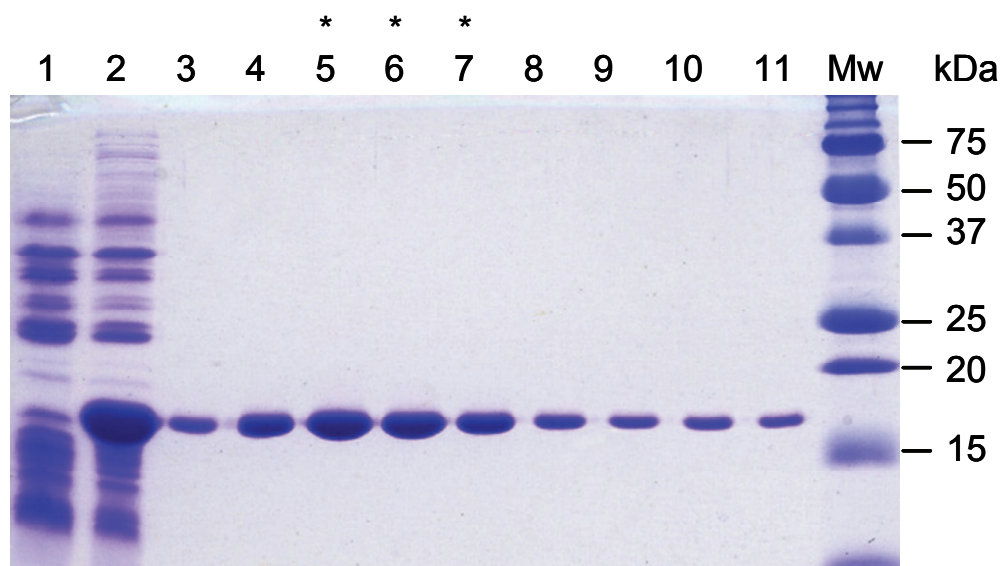


Figure S1. SDS-PAGE analysis of purified His6-yCD. SDS-PAGE was done using a 12% polyacrylamide gel under reducing condition. The expected size of His-yCD monomer is about 18 kDa. Lanes (1) cell lysate before IPTG induction, (2) cell lysate after IPTG induction, (3-11) purified His-yCD from size exclusion column (* the pooled fractions for liposome attachment and enzyme assay).

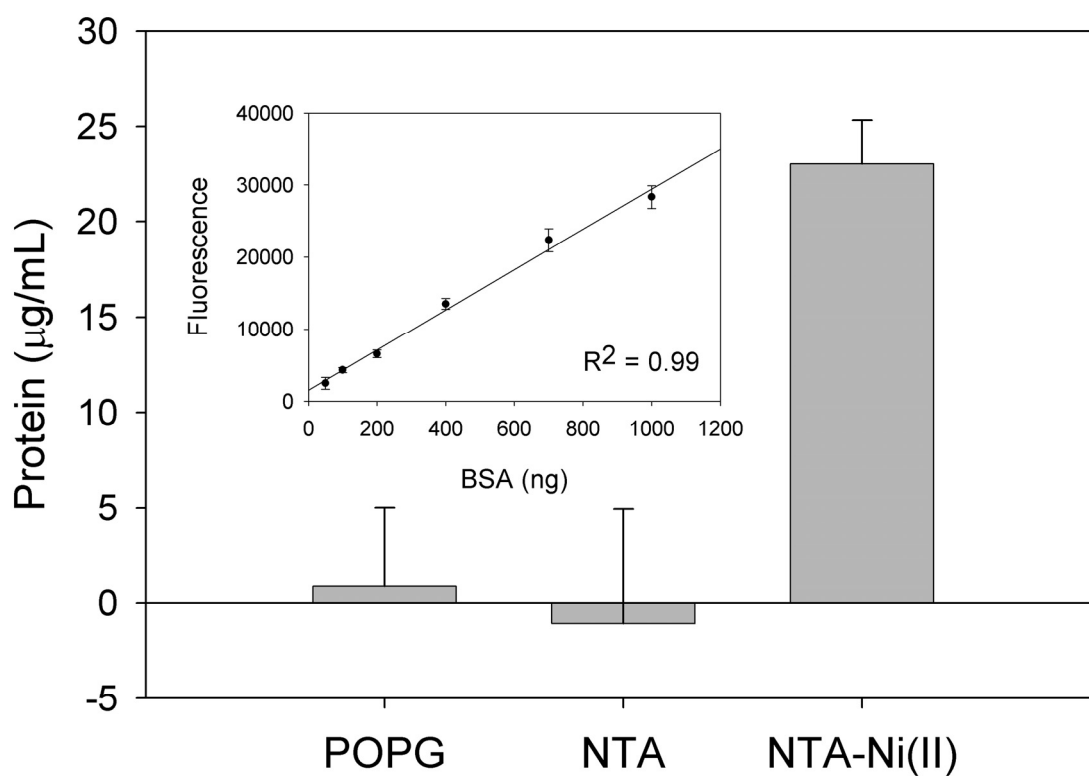


Figure S2. Analysis of liposome-associated protein. The amount of protein associated with liposomes was measured by the CBQCA assay (Molecular Probes, Eugene, OR). The inset window is the BSA standard curve for protein concentration. No significant His6-yCD was detected in either control liposome fraction: the POPG liposomes or the tri-NTA liposomes without Ni(II).