

Supporting Information

A Dendrimer-based Immunosensor for Improved Capture and Detection of Tumor Necrosis Factor- α Cytokine

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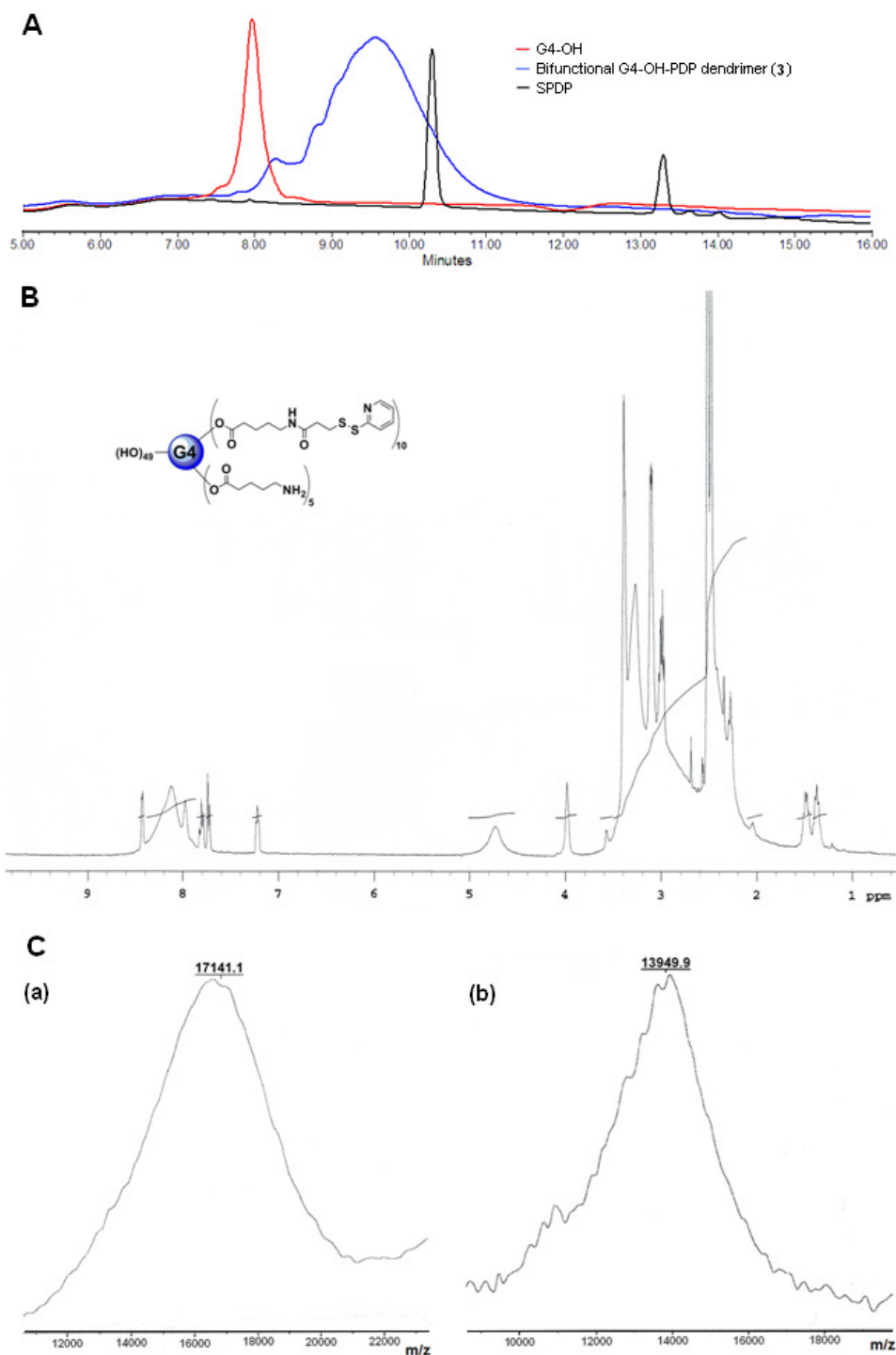


Figure S-1. Characterization of PDP-functionalized PAMAM G4-OH dendrimer, G4-OH-PDP (3). (A) HPLC chromatograms of G4-OH, bifunctional G4-OH-PDP dendrimer (3), and SPDP at 210 nm. (B) Proton NMR spectrum of bifunctional G4-OH-PDP dendrimer (3) in DMSO-*d*₆. (C) MALDI-TOF mass spectra of (a) bifunctional G4-OH-PDP dendrimer (3), and (b) G4-OH dendrimer.

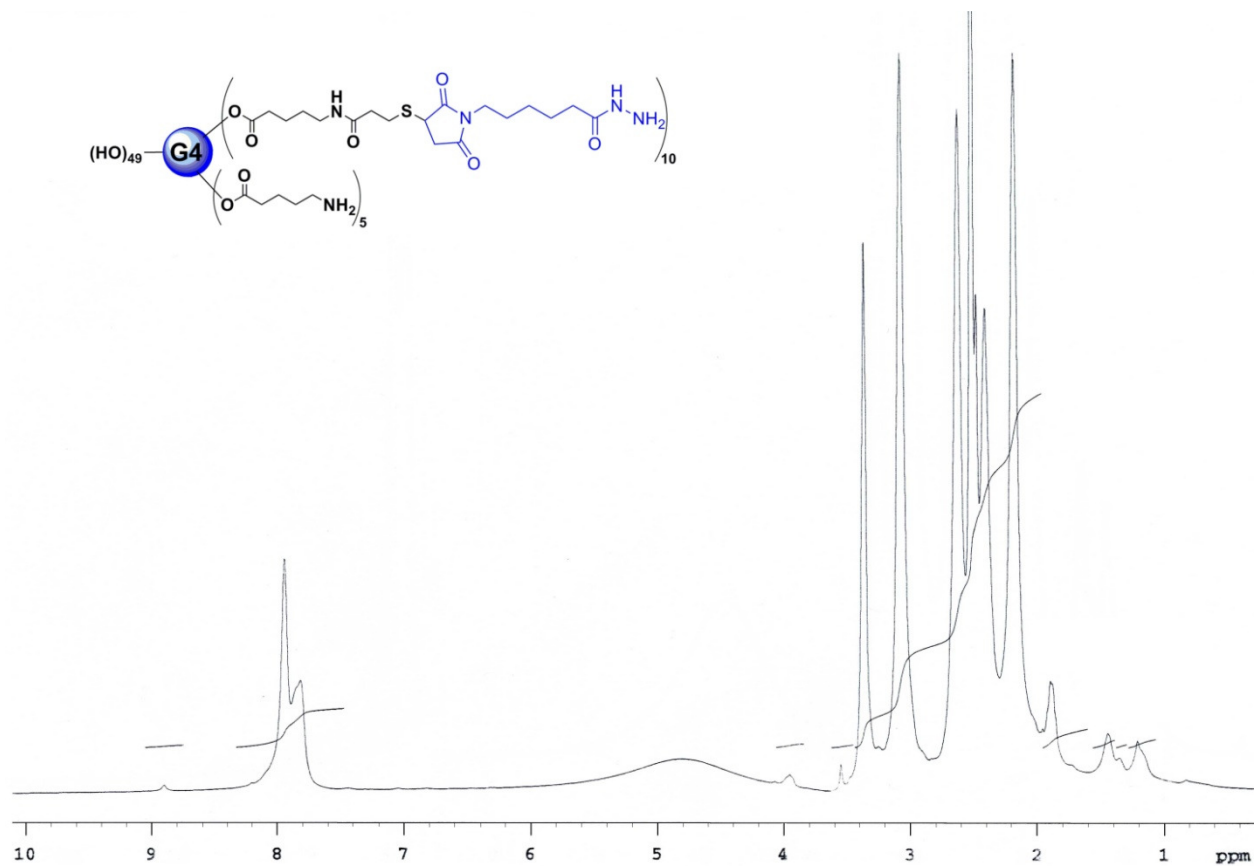


Figure S-2. Proton NMR spectrum of EMCH functionalized PAMAM G4-OH-PDP dendrimer (5) in DMSO-*d*₆.

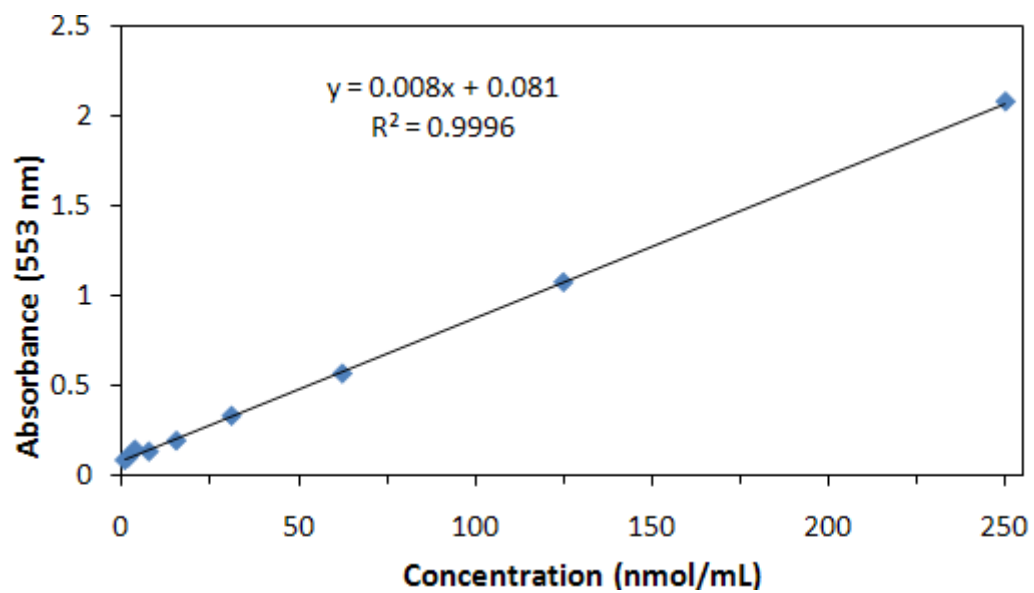


Figure S-3. Standard curve of formaldehyde purpald test.