Supplementary Material (ESI) for Journal of Materials Chemistry

Supplementary Figure 1. Fluorescence emission spectra of fibronectin labeled with AlexaFluor 488 carboxylic acid (donor) and AlexaFluor 546 maleimide (acceptor) molecules on random amines and free cysteines ($FnIII_7$ and $FnIII_{15}$). The labeled fibronectin was subjected to series denaturation using guanidine hydrochloride in phosphate buffer and excited near the donor absorption wavelength (λ_{max}= 495 nm). Unconjugated AlexaFluor 488 emission maximum is 520 nm, AlexaFluor 546 (λ_{max} = 554) emission maximum is 570 nm. (a) The spectra were normalized to the peak donor emission. FRET efficiency is basically eliminated at 6 M guanidine hydrochloride. The spectral data was averaged over 5 labeled protein samples prepared and tested on separate days. The remaining acceptor emission at 6.0 M guanidine hydrochloride is due to intermolecular forces. (b) Calibration curve of fibronectin denaturation.