

Supporting Information

A Protein Nanocomposite for Ultra-fast, Efficient and Non-irritating Skin Decontamination from Nerve Agents

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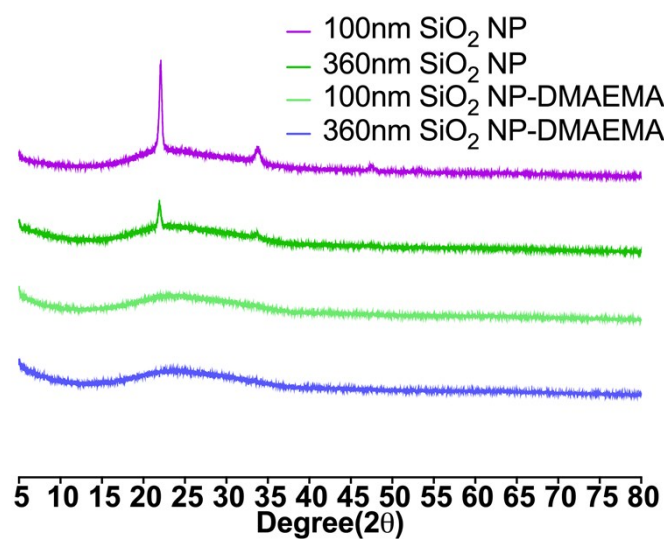


Figure S1 XRD of the SiO₂ NP nanocomposite (from top to down): SiO₂ NP (100 nm diameter), SiO₂ NP (360 nm diameter), SiO₂ NP-DMAEMA (100 nm diameter) and SiO₂ NP-DMAEMA (360 nm diameter)

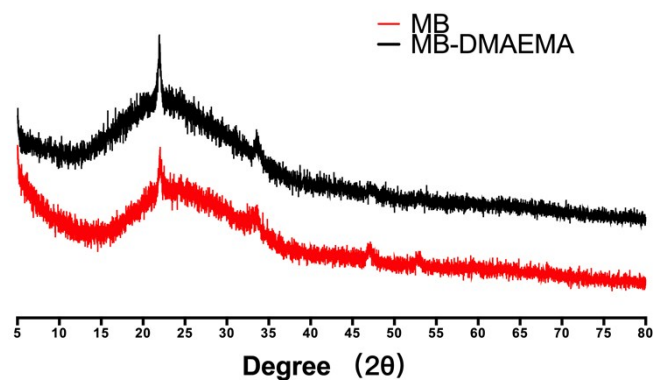


Figure S2 XRD of the Mb (red) and Mb-DMAEMA (black).

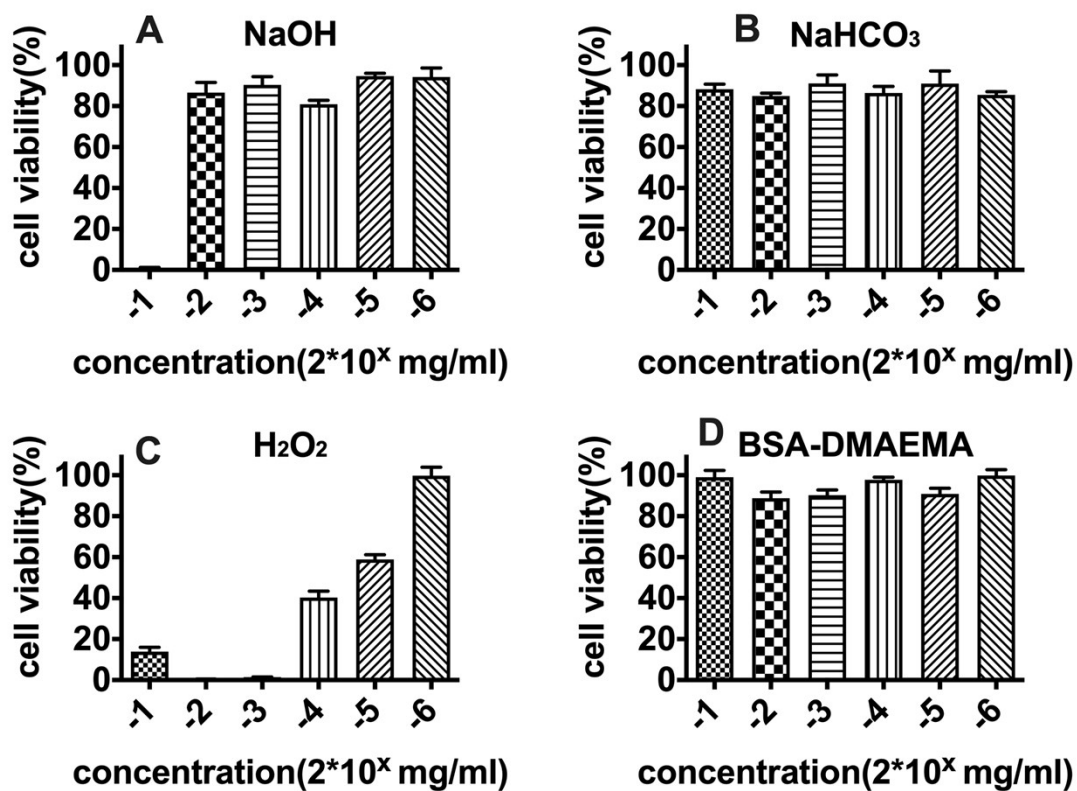
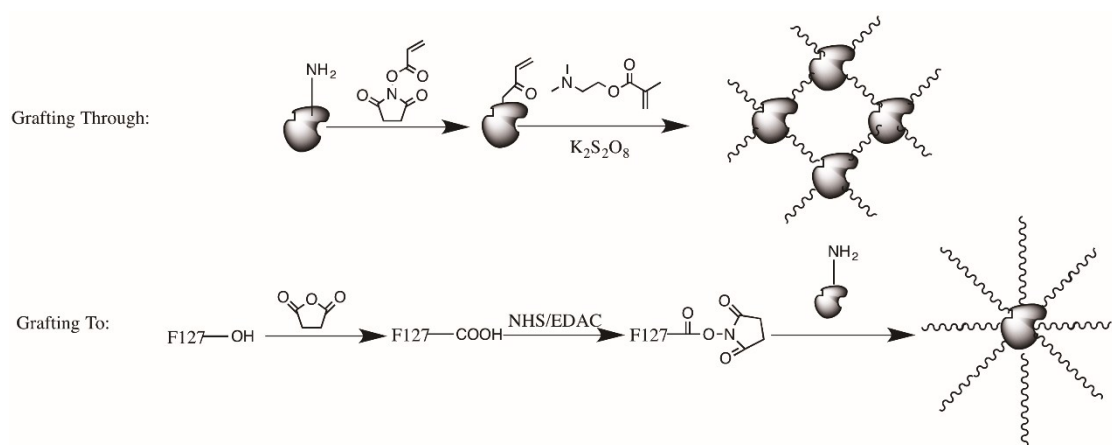


Figure S3 cytotoxicity of keratinocyte incubated with (A) NaOH, (B) NaHCO₃ (C) H₂O₂ (D) BSA-DMAEMA



Scheme S1. Schematic showing the two methods of linking polymers to proteins: “grafting through” and “grafting to”.