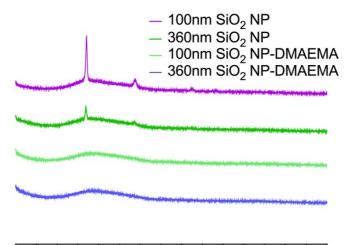
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Supporting Information

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

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5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 Degree(2θ)

Figure S1 XRD of the SiO_2 NP nanocomposite (from top to down): SiO_2 NP (100 nm diameter), SiO_2 NP (360 nm diameter), SiO_2 NP-DMAEMA (100 nm diameter) and SiO_2 NP-DMAEMA (360 nm diameter)

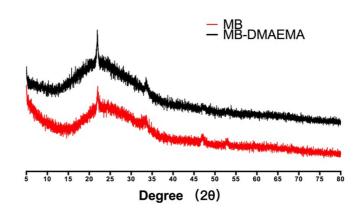


Figure S2 XRD of the Mb (red) and Mb-DMAEMA (black).

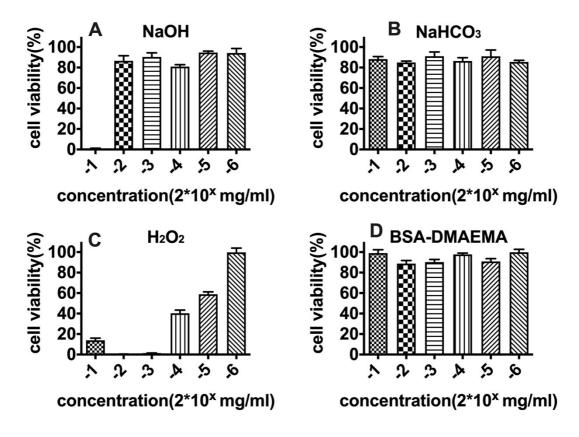
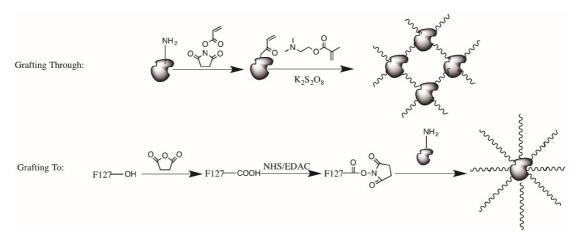


Figure S3 cytotoxicity of keratinocyte incubated with (A) NaOH, (B) NaHCO₃ (C)

H₂O₂ (D) BSA-DMAEMA



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