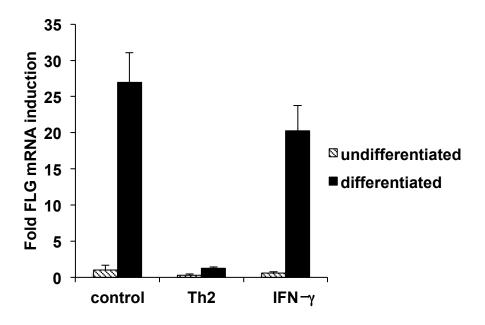
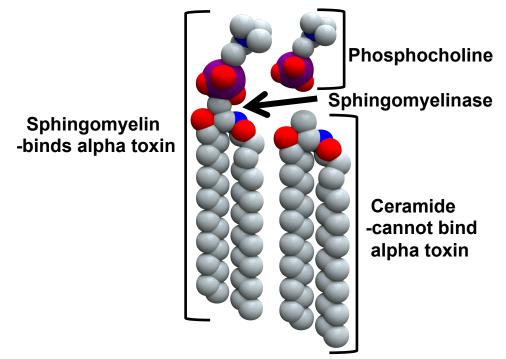
Supplemental Fig. 1



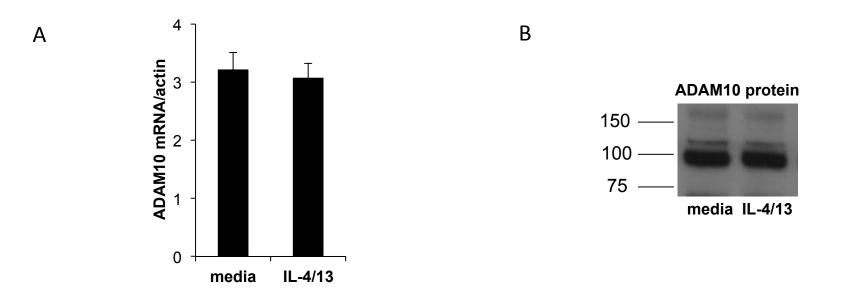
Filaggrin levels are reduced in Th2 cytokine treated cells. Primary keratinocytes were treated with media, IL-4/13, or IFN-γ for 24 hours. Cells were then harvested (undifferentiated) or treated with 1.3 mM calcium (differentiated) for 5 additional days. Filaggrin (FLG) mRNA was measured by RT-PCR and normalized to actin.

Supplemental Fig. 2



Space filling model. Sphingomyelin (which binds alpha toxin) can be cleaved by sphingomyelinase to generate ceramide (which cannot bind alpha toxin) and free phosphocholine.

Supplemental 3



ADAM10 expression is unchanged by Th2 cytokines (A) Keratinocytes were differentiated for 5 days in the presence or absence of IL-4/13 (n = 3). ADAM10 mRNA was measured by RT-PCR and normalized to actin. (B) Protein levels were measured by Western blot.