

Supplementary Material

Serum amyloid A exhibits pH dependent antibacterial action and contributes to host defense against *Staphylococcus aureus* cutaneous infection

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Supplemental table

Table S1.

Primers for *Saa1/2*, *Saa3*, *Il6* and *Gapdh*.

	Forward Primer	Reverse Primer
<i>Saa1/2</i>	5'-AGTGGCAAAGACCCCAATTA-3'	5'-GGCAGTCCAGGAGGTCTGTA-3'
<i>Saa3</i>	5'-CGCAGCACGAGCAGGAT-3'	5'-CCAGGATCAAGATGCAAAGAATG-3'
<i>Gapdh</i>	5'-AGGTCGGTGTGAACGGATTTG-3'	5'-TGTAGACCATGTAGTTGAGGTCA-3'.
<i>Il6</i>	5'-TAGTCCTTCCTACCCCAATTTCC-3'	5'-TTGGTCCTTAGCCACTCCTTC-3'

Supplementary Figure

Fig. S1.

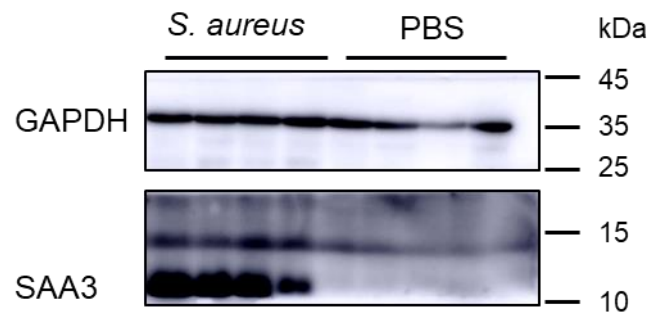
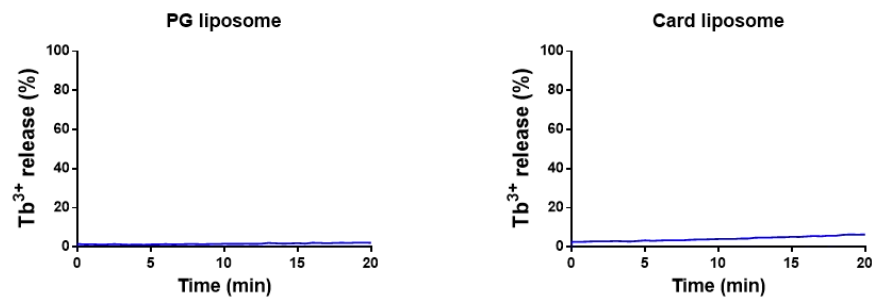


Fig. S1.

Western blot detection of SAA3 in *S. aureus*-infected wild-type mice cutaneous lesion. Mice were subcutaneously infected for 3 day.

Fig. S2.

A



B

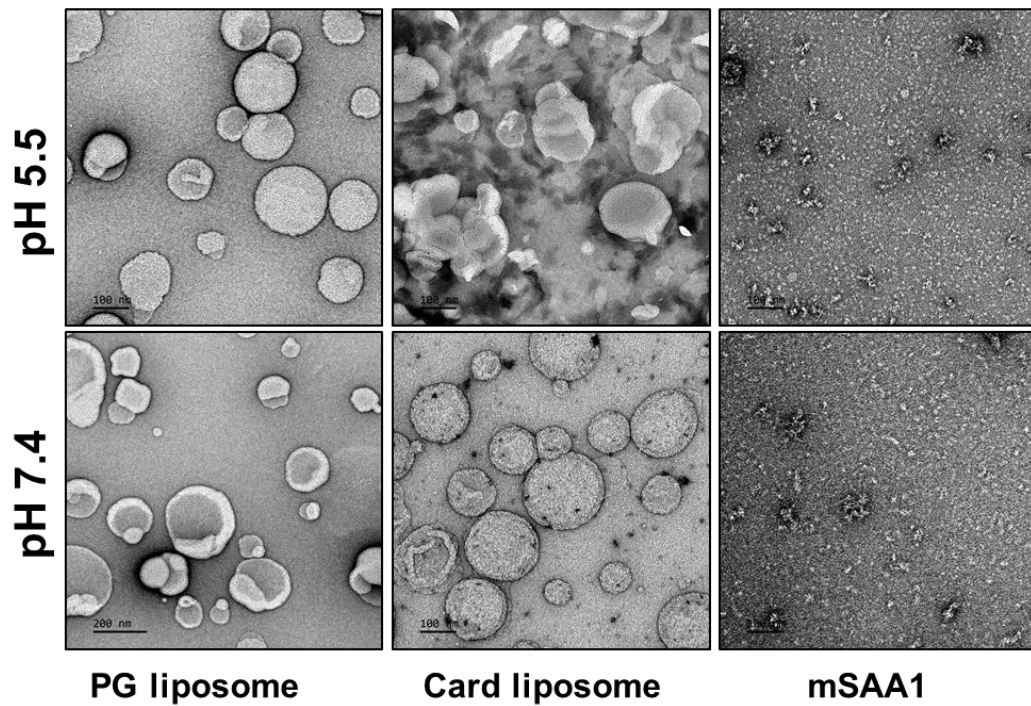


Fig. S2.

A. Tb^{3+} releasing of PG and Cardiolipin liposome with buffer alone at pH 5.5. B. PG liposomes (left), cardiolipin liposomes (middle) and mSAA1 proteins (right) with buffer alone at pH 7.4 (Bottom) or pH 5.5 (Top) at 37 °C.