

FIG S1 Phagocytosis of strain LAC by PMNs in the absence (vehicle control) or presence of cytochalasin D as indicated. Human PMNs were incubated with 10 $\mu\text{g/ml}$ cytochalasin D for 15 min at 37°C prior to addition of bacteria. 30- μl aliquots of each assay mixture was centrifuged onto slides with a Cytospin™ instrument and cells were visualized by using a Wright-Giemsa stain. Images are representative of six experiments and were captured by using a 100 \times objective as described in Methods.

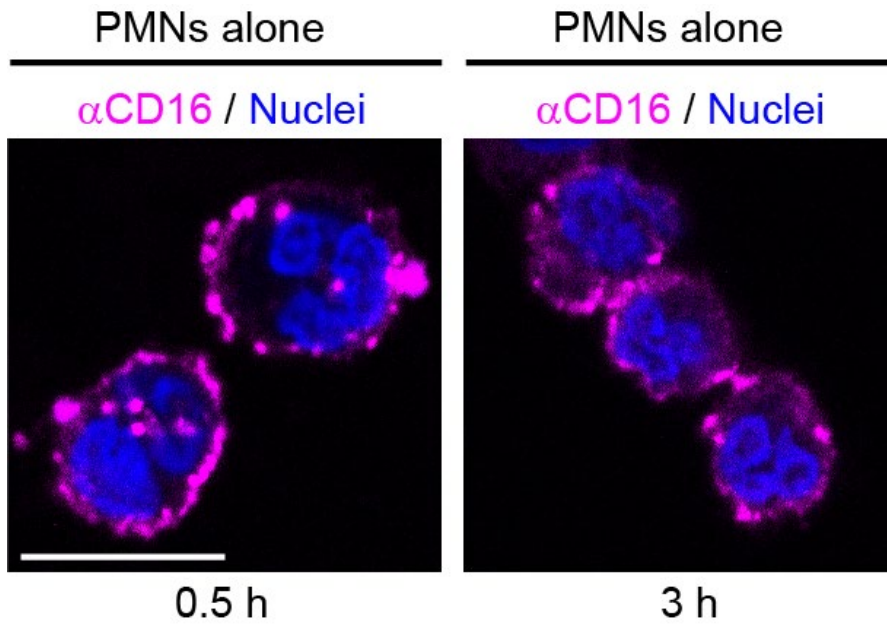


FIG S2 Plasma membrane labeling of control PMNs with anti-CD16 antibody (pink) following culture for (0.5 h) or 3 h, as indicated. Nuclei were stained with NucBlue as described in Methods. Images are representative of control PMNs in multiple experiments. Scale bar = 10 μ m.

TABLE S1 Quantification of microscopy data.

Time (h)	CD16– FITC+ αSa+	CD16+ FITC+ αSa+	CD16– FITC+ αSa–	CD16+ FITC+ αSa–	CD16+ FITC– (no <i>Sa</i>)
0.5	0	0	0	88.0 \pm 2.8	12.0 \pm 2.8
1	2.0 \pm 1.6	3.5 \pm 4.4	20.5 \pm 12.5	61.0 \pm 13.3	13.0 \pm 11.4
2	2.5 \pm 2.5	1.3 \pm 2.5	23.0 \pm 11.0	59.5 \pm 12.5	13.8 \pm 5.9
3	14.5 \pm 12.8	5.5 \pm 6.2	38.2 \pm 8.3	27.8 \pm 11.3	14.1 \pm 9.4

The percentage (%) of PMNs without *S. aureus* (CD16+/FITC–), or percentage of those that stain positive or negative (+ or –) with anti-CD16 antibody (CD16+ or CD16–), FITC-labeled *S. aureus* (FITC+), and/or *S. aureus* labeled with the combination of anti-*S. aureus* IgG + goat anti-rabbit IgG conjugated to AF594 (α Sa+ or α Sa–) was calculated for each timepoint. Fifty PMNs per sample were evaluated and scored. Results are presented as the mean \pm SD of four experiments.