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 μg/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× 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 µm.
TABLE S1 Quantification of microscopy data.

| Time (h) | CD16– FITC+ αSa+ | CD16+ FITC+ αSa+ | CD16– FITC+ αSa– | CD16+ FITC+ αSa– | CD16+ FITC– (no Sa) |
|----------|------------------|------------------|------------------|------------------|-------------------|
| 0.5      | 0                | 0                | 0                | 88.0 ± 2.8       | 12.0 ± 2.8        |
| 1        | 2.0 ± 1.6        | 3.5 ± 4.4        | 20.5 ± 12.5      | 61.0 ± 13.3      | 13.0 ± 11.4       |
| 2        | 2.5 ± 2.5        | 1.3 ± 2.5        | 23.0 ± 11.0      | 59.5 ± 12.5      | 13.8 ± 5.9        |
| 3        | 14.5 ± 12.8      | 5.5 ± 6.2        | 38.2 ± 8.3       | 27.8 ± 11.3      | 14.1 ± 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 (αSa+ or αSa−) was calculated for each timepoint. Fifty PMNs per sample were evaluated and scored. Results are presented as the mean ± SD of four experiments.