Supplementary Materials: The Unique Immunoregulatory Function of *Staphylococcus Aureus* Lipoteichoic Acid in Dendritic Cells

Figure 1. IL-12 production from BMDC was suppressed by LTA with dose dependent manner. BMDCs were stimulated with LPS (100 ng/mL). The some cultures were costimulated with LTA (0.01-10 μg/mL). After 24 h of the treatment, cultured medium was harvested, then IL-12 production was measured by ELISA. The data are pooled from three independent experiments. The Student’s *t*-test was used to analyze data for significant differences. Values of *p* < 0.05 and **p* < 0.01 were regarded as significant.

Figure 2. The efficiency of TLR2, Dectin-1 and DC-SIGN blocking antibodies. A-C) The efficiency of blocking antibody was evaluated with ligand stimulation in BMDC. The BMDs were simulated with PGN (for TLR2) (A), ZymosanA (for Dectin-1) and HIVgp120 (for DC-SIGN) combined with blocking antibody for each receptor. The cells were incubated at 37°C for 24 h, then the cultured medium was harvested for cytokine measurement by ELISA. The data are pooled from three independent experiments. The Student’s *t*-test was used to analyze data for significant differences. Values of *p* < 0.05, **p* < 0.01 and ***p* < 0.001 were regarded as significant.
Figure 3. Cytokine production was dominantly suppressed by CLRs inhibition in BMDC. BMDC was stimulated with LTA (1 µg/mL), and some cultures were treated with or without anti-CLR (Dectin-1 and DC-SIGN) mAb. The BMDCs were incubated at 37°C for 24h, then the cultured medium was harvested for cytokine measurement by ELISA. The data are pooled from three independent experiments. The Student’s t-test was used to analyze data for significant differences. Values of * $p < 0.05$, ** $p < 0.01$ and *** $p < 0.001$ were regarded as significant.