Supplementary Figure 1. The binding of the lectin-Fc(IgG) proteins to the surface of the A. fumigatus conidia at different stages of growth was evaluated by (a) flow cytometry and (b) Immunofluorescence microscopy (B), with at least 20 fields analyzed. Germinating conidia displayed high binding by Dectin-1-Fc(IgG2a) and Dectin-1-Fc(IgG2b) and wheat germ agglutinin(WGA)-Fc(IgG2a), whereas hyphae, had only higher binding by Dectin-1-Fc(IgG2a) and Dectin-1-Fc(IgG2b) in comparison to controls, accordance to results observed by immunofluorescence. Scale bar = 10 µm.
Supplementary Figure 2. Biofilm formation was also evaluated after (a) 24 and (b) 48 h incubation in the presence of PBS (control), Dectin-1-Fc(IgG2a), Dectin-1-Fc(IgG2b) and WGA-Fc(IgG2a) proteins. Amphotericin B or heat-killed conidia were used as negative controls and no signs of biofilm formation were observed. Lectin-Fc slightly decreased biofilm formation (~10%) only at the highest concentration in comparison to controls at 24 h biofilm inducing conditions. However, inhibition of biofilm formation was more expressive at 48 h, with about 20% inhibition at 10 µg/mL and 14% at 5 µg/mL. The experiments were performed in duplicate with at least three independent trials.