

Supplemental Figure 4. **SLE CytoFOX DN B cells have significantly lower CD20 and higher SSC.** Overall, SLE CytoFOX CD19+CD20+ B cells had significantly lower CD20 expression compared to healthy ($p < 0.05$) (A), while even within the SLE FOXO1+ DN B cell compartment, CytoFOX DN B cells had significantly lower CD20 intensity ($p < 0.05$) compared to nuclear FOXO1+ DN B cells (B). The gated B cells were also analyzed for levels of side scatter (SSC). Healthy donors had significantly increased levels of low SSC DN B cells compared to SLE patients ($p < 0.01$) (C), while the percent of CytoFOX DN B cells with high SSC was significantly increased in SLE patients compared to healthy donors ($p < 0.0001$) (D).

