



**Figure 2** Co-culture of SIP T cells impairs growth of fetal and SIP organoids. **A, C.** Representative images of fetal organoids (**A**) and SIP organoids (**C**) on Day 3 (left) and Day 7 (right) with no T cells (top) and after co-culture with SIP T cells (bottom). Error bar 530 μM. **B, D. Left:** On day 7 the mean fold change in organoid number counted per high power field relative to no T cell condition in fetal (**B**) and SIP (**D**) organoids (n=2 samples, 2-4 technical replicates) with no T cells and after co-culture with SIP T cells isolated by positive selection from intestinal mucosa. **Right:** Log of organoid area from 25 organoids/ well (n = 2 samples, 3-4 technical replicates). Mann-Whitney Test, p-values: \* < 0.05, \*\*\* < 0.001, \*\*\*\* < 0.0001. **F - G:** Differential expression of cytokines from 96-Plex Assay from Eve Technologies in fetal (**F**) and SIP organoids (**G**) after 7 days of co-culture with SIP T cells vs no T cells. Fetal n = 1, SIP n = 1, 2 technical replicates.