



S4 Fig. B cell subset and cluster analysis. (A-C) Healthy and convalescent donor cell frequencies for (A) CD11c⁺, (B) T-bet⁺, and (C) DN subsets among viable CD19⁺ lymphocytes. Bars represent mean \pm SD. Statistical analysis between each donor subgroup was done with non-parametric Kruskal-Wallis test with Dunn's correction for multiple comparisons. Adjusted p value was used to determine family-wise significance at $\alpha = 0.05$. Healthy control and total convalescent groups also compared by Mann-Whitney test with two-tailed p value, $\alpha = 0.05$. Healthy control $n = 24$, conv. total $n = 40$, asymp. $n = 5$, conv. early $n = 12$, conv. mid $n = 6$, conv. late $n = 17$, except for T-bet (B), where $n = 4, 9, 6,$ and 16 , respectively, due to technical limitations. (D) tSNE representation of flow cytometry data sub-gated to highlight key clusters of viable CD19⁺ lymphocytes from a representative convalescent donor with an enriched memory B cell subset. Heatmap overlay shows median expression for the target below each plot.