

Supplementary Material

Single-Cell Analysis Reveals That CD47 mRNA Expression Correlates with Immune Cell Activation, Antiviral Isgs, and Cytotoxicity

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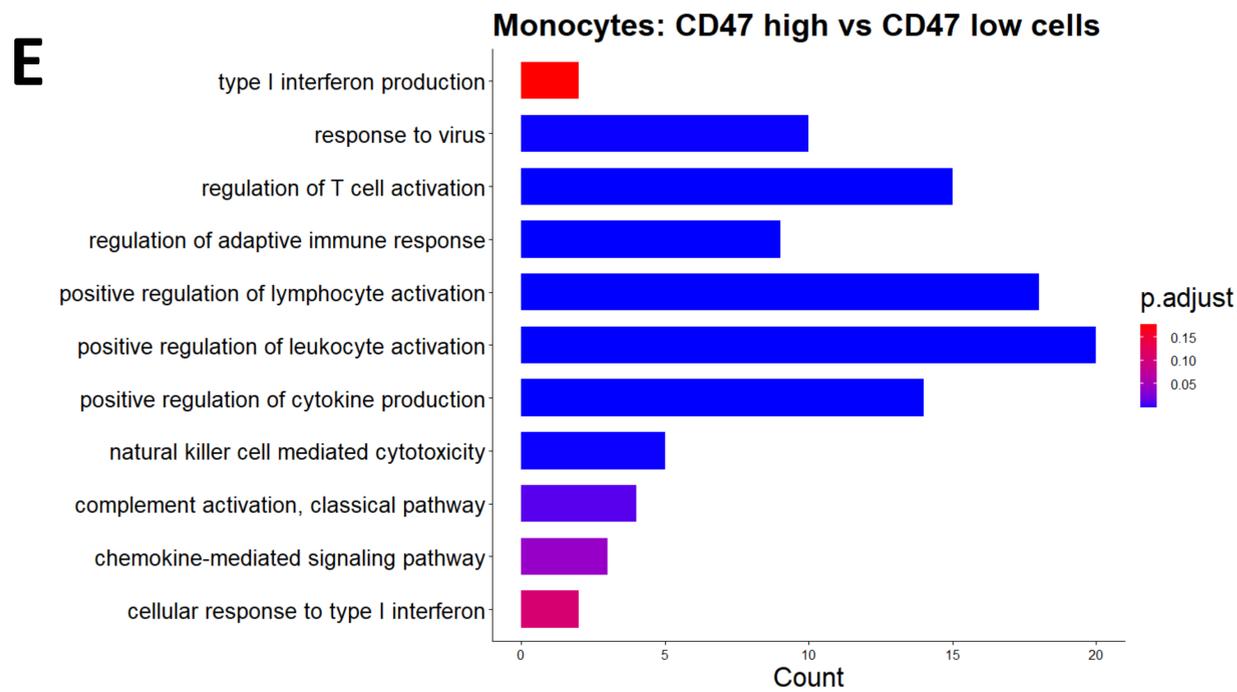
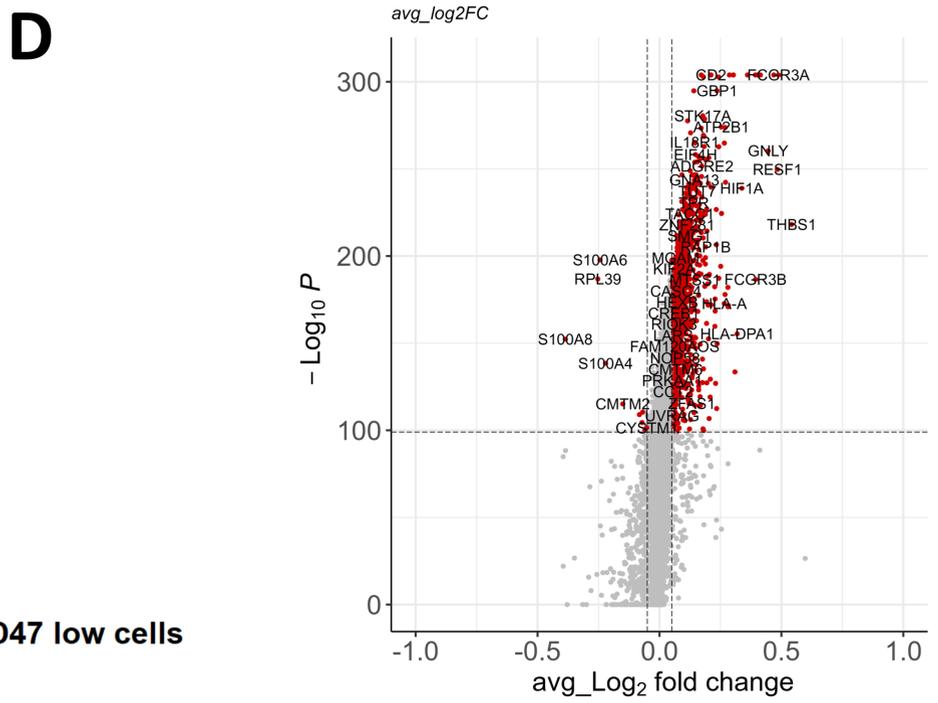
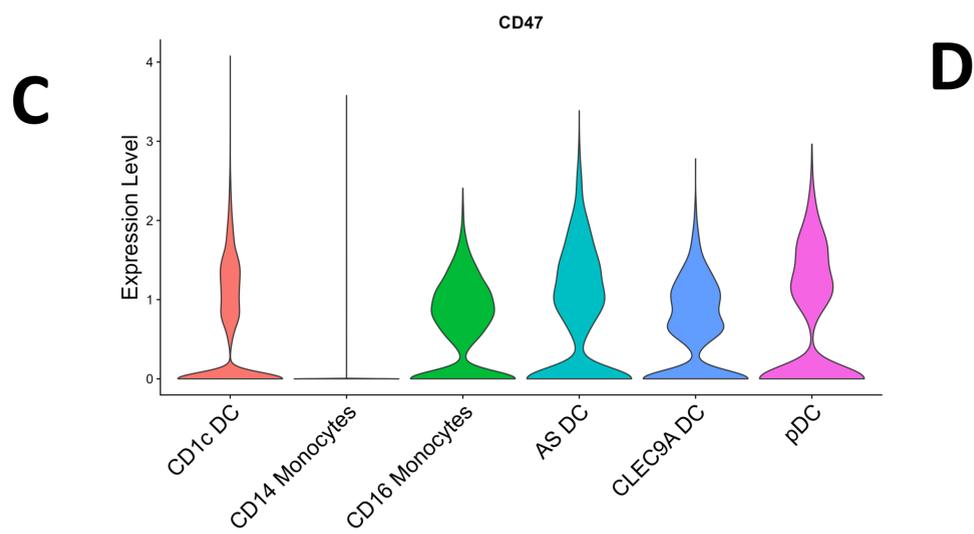
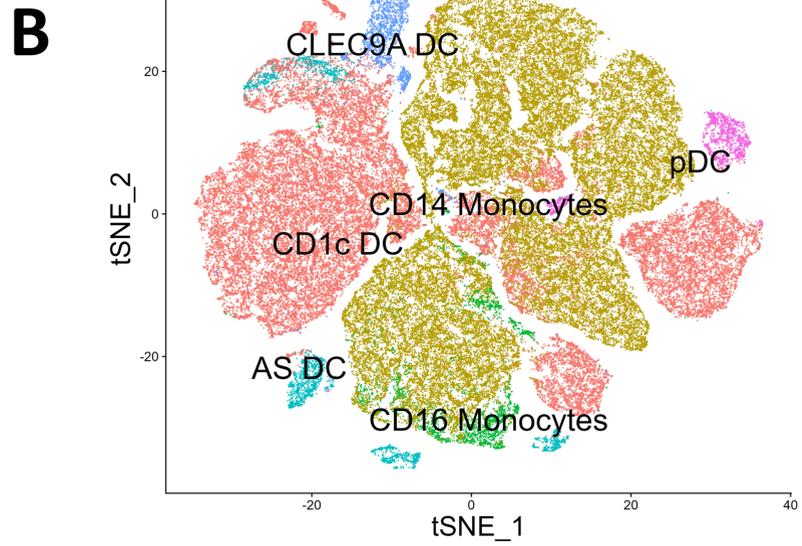
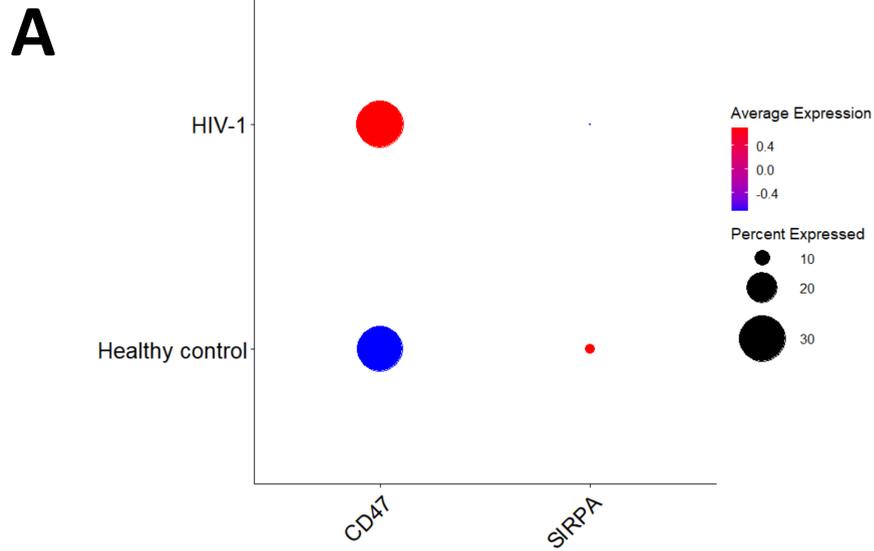
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Supplementary Figure 1. (A) Dot plot representation of average and percentage expression of *CD47* and *SIRPa* in healthy individuals compared to PWH. (B) tSNE plot illustration of antigen presenting cells (APCs) subsets (n= 81,271 APCs) from COVID-19 patients. (C) Violin plot representation of *CD47* expression levels among APCs subsets. (D) Volcanos plot of differentially expressed genes (DEGs) between *CD47*^{low} and *CD47*^{high} monocytes and (E) bar plot representation of gene ontology between *CD47*^{low} and *CD47*^{high} monocytes.

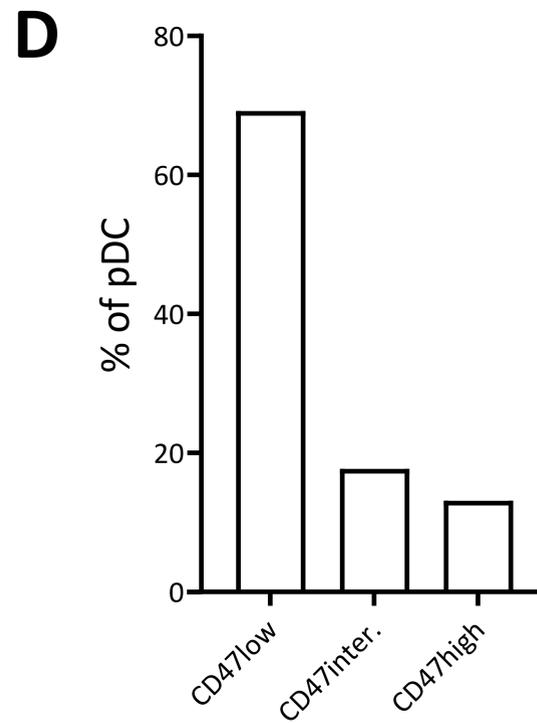
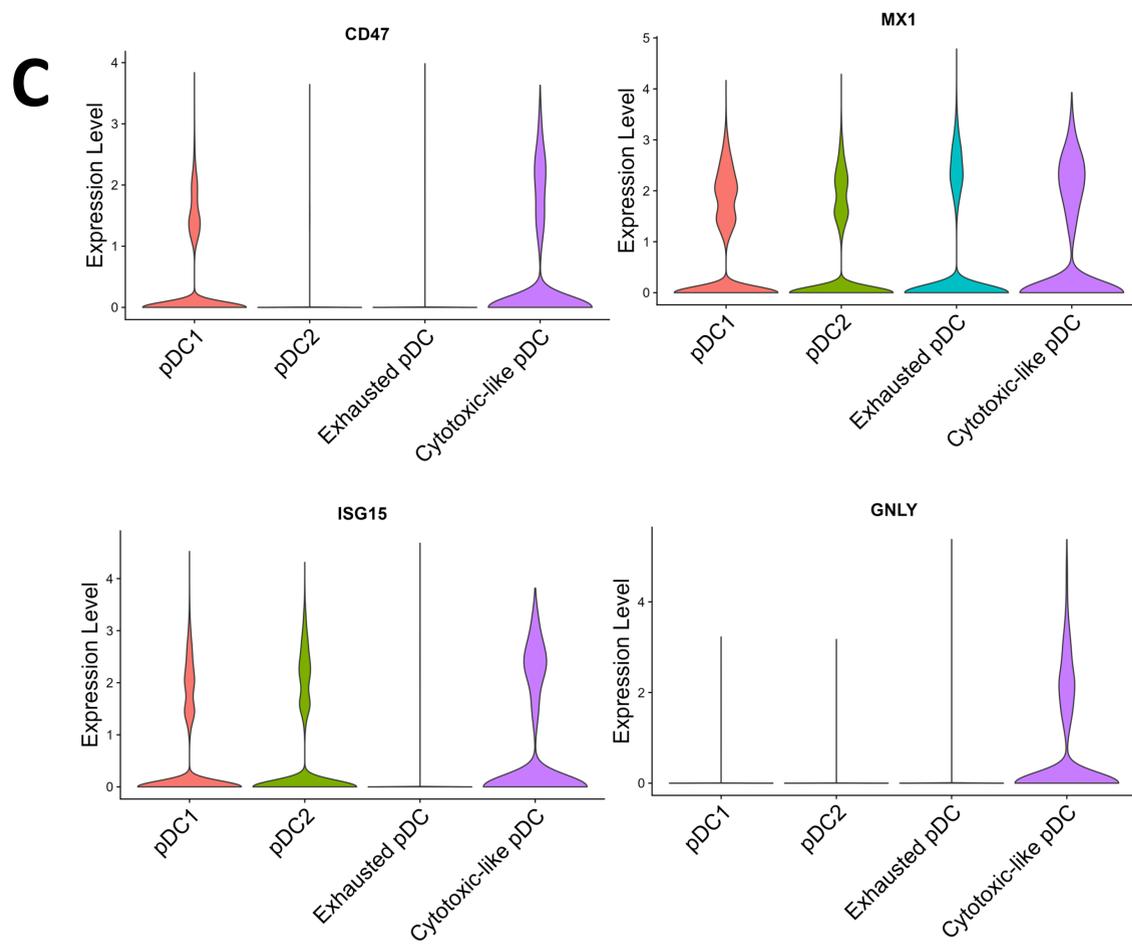
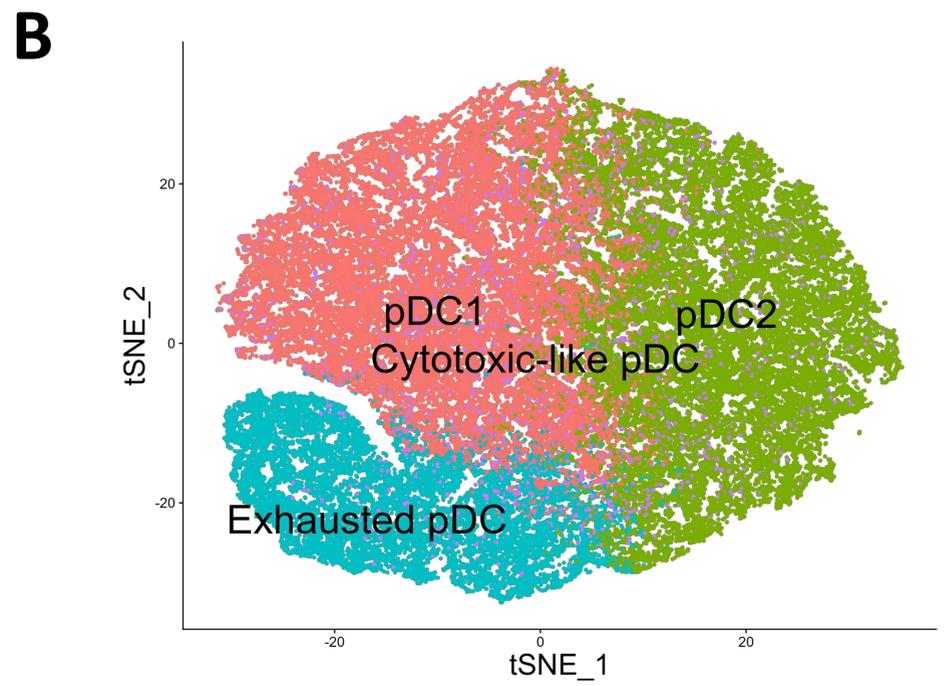
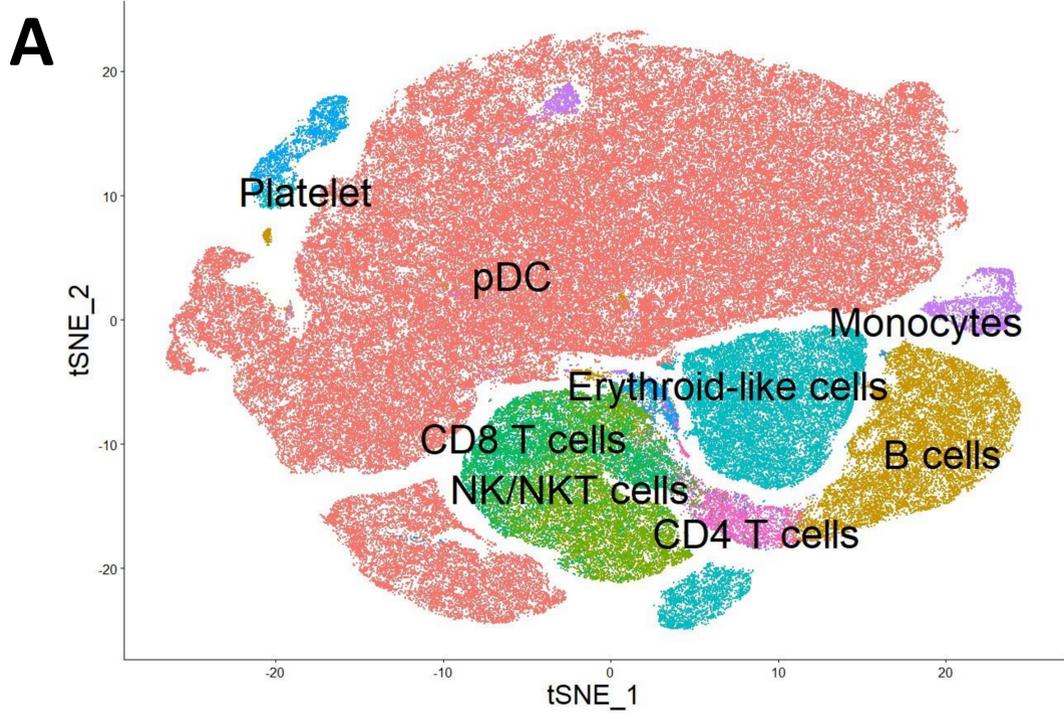
Supplementary Figure 2. (A) UMAP display of immune cells from eight samples from PWH. (B) tSNE plot illustration of pDC subsets (n= 61,085 pDCs) from PWH. (C) Violin plot representation of *CD47*, *MXI*, *ISG15* and *GPLY* expression levels among pDCs subsets. (D) Bar plot representation of *CD47* expression levels and percentage of *CD47*^{low}, *CD47*^{inter.}, and *CD47*^{high} pDCs.

Supplementary Figure 3. (A) tSNE plot illustration of CD4⁺ T cells subsets (n= 7,942 CD4⁺ T cells) from PWH. (B) Ridge plot of *CD47*, *GZMA*, *ISG15* and *CD3D* expression among CD4⁺ T cells subsets.

Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 3

