



**Supplementary Figure S2: Isolation and annotation of CD19<sup>+</sup>ve synovial B cells.**

A) Flow cytometry gating strategy for FACS sorting CD19<sup>+</sup>ve B cells from human synovial tissue; representative plot from three samples.

B) Selected expression of important genes used for identifying B cell subsets.

C) Annotation from SingleR Monaco Immune Data generated from adult peripheral blood B cell signatures.