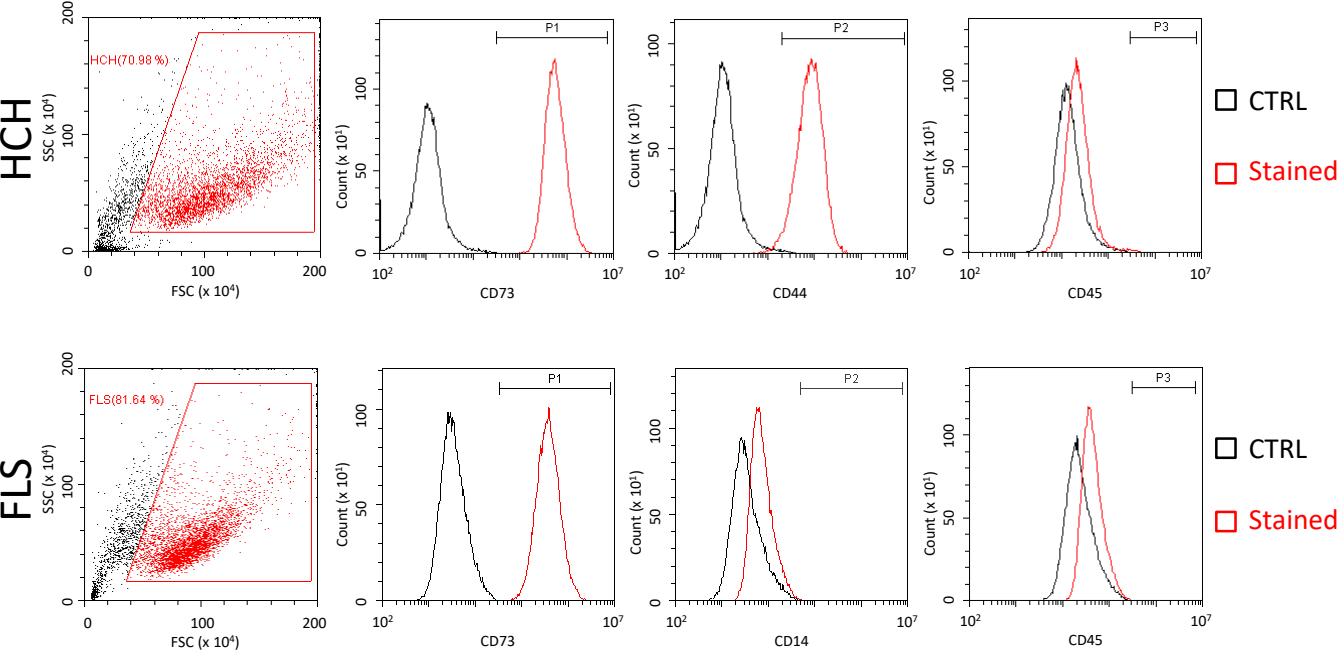
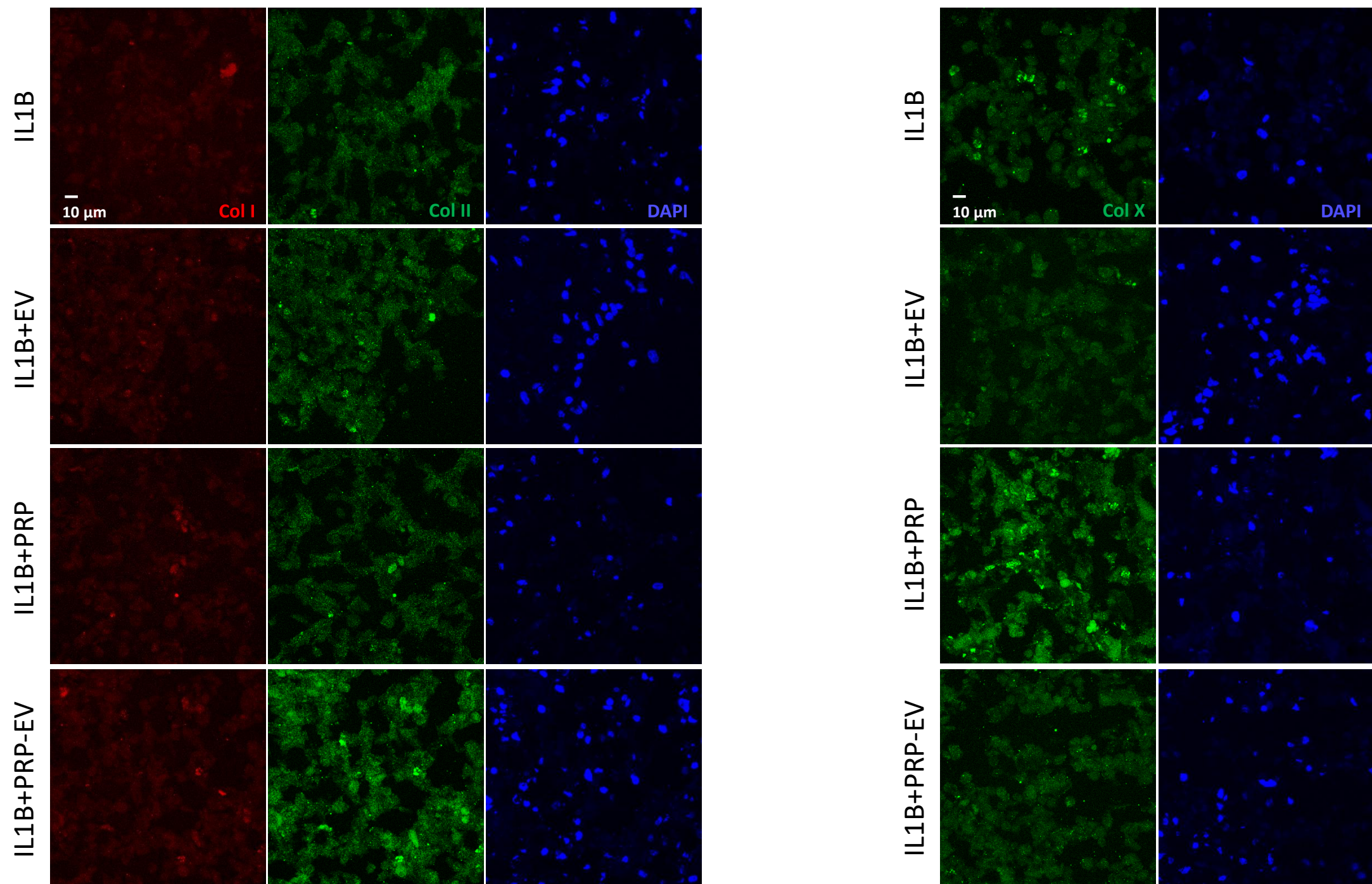




Supplementary Figure 1: Representative immunophenotype of chondrocytes and synoviocytes used in the study. Chondrocytes (HCH) resulted positive to CD44 and CD73 markers, while negative for CD45 marker. Synoviocytes (FLS) resulted positive for CD73 marker and negative for CD14 and CD45 markers. Data shown are from a representative donor.



Supplementary Figure 2. Representative immunofluorescence staining for Collagen I, Collagen II and Collagen X in OA chondrocyte pellets. Representative immunofluorescence images of 3D chondrocyte pellets from OA patients, cultured under IL-1 β stimulation to sustain the pathologic phenotype (IL1B) and left untreated or exposed for 14 days to purified EVs (IL1B+EV), the release from unloaded PRP gels (IL1B+PRP), or the release from EV-loaded PRP gels (IL1B+PRP-EV). Left panel: staining for Collagen I (red) and Collagen II (green), related to the Collagen II/Collagen I ratio shown in Figure 4E. Right panel: staining for Collagen X (green), related to Figure 4F. Nuclei were counterstained with DAPI (blue) in both panels. Scale bar = 10 μ m. Images from one representative donor are shown.