Supplementary figure I: Representative dot plot of T helper cell subsets in IIM stratified by MSA

Supplementary figure II. Representative dot plot between different subsets of IIM stratified by MSA positivity and presence of arthritis
Supplementary figure III: Representative dot plot of T helper cell subsets in Active vs Inactive and their ratio (Th1, Th17 & Th17.1) with Treg subsets.

Supplementary figure IV. Flow cytometry plots for CD4+IFN-γ+, CD4+IL-17+, CD4+IFN-γ+IL-17+, and CD4+CD25+FOXP3+ for Th1, th17, Th17.1 and Treg cells.
The standard gating for CD4+ T helper subsets in stimulated vs unstimulated human blood. The FSC (Forward scatter and SSC (Side scatter) plots were used for lymphocyte gating based on granularity and size. The CD4+ T cells were gated using a dual colour dot plot of side scatter versus CD4+ FITC. The specific T cell subsets were analyzed using a dual colour dot plot of 1) Th1 subsets were gated using CD4+FITC vs IFN-Y PE Cy7 double-positive population. 2) Th17 subsets were gated using CD4+ FITC vs IL17 Alexa flour647 expressing a double-positive population. 3) Th17.1 subsets were gated on CD4+ FITC positive population and selected IL17 Alexa flour647 vs IFNY + PE-cy7 double-positive population, 4) Treg subsets were gated on CD4+ FITC positive population and selected CD25+ PE-cy7 vs FoxP3+ Alexa flour647 double-positive population. (1,2)

References