

Supplementary Information

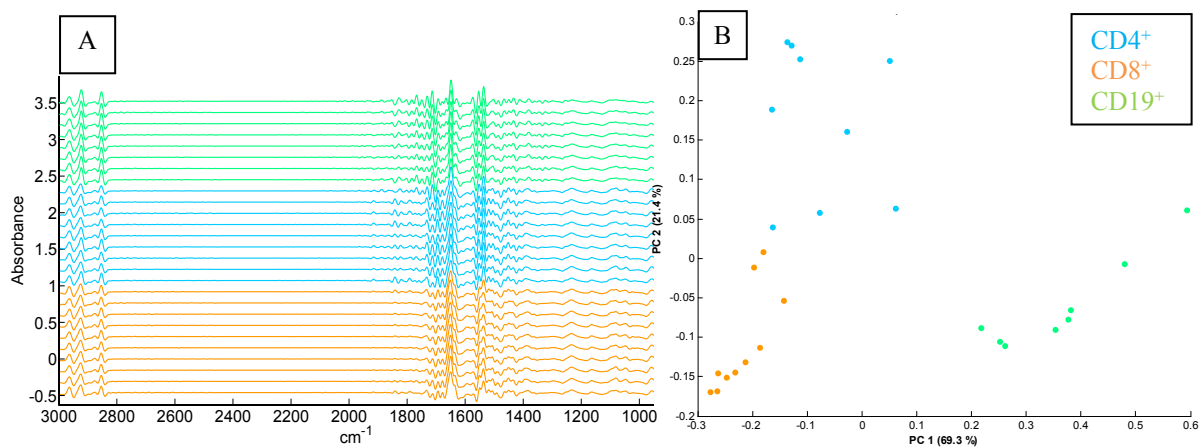
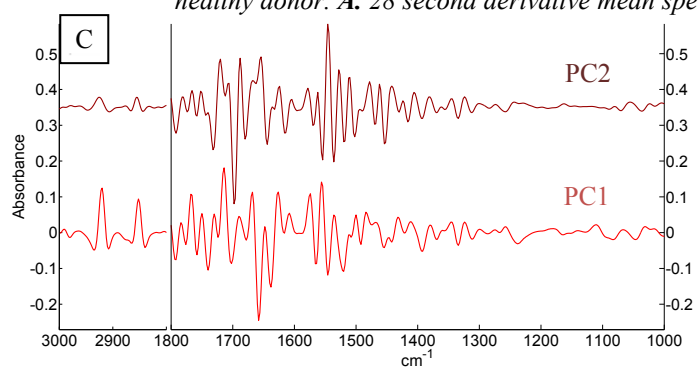


Figure S1: PCA performed on the second derivative IR spectra recorded on lymphocyte subpopulations of one healthy donor. **A.** 28 second derivative mean spectra from purified unlabelled CD4⁺ T lymphocytes (blue), CD8⁺



*T lymphocytes (orange) and CD19⁺ B lymphocytes (green) isolated from the peripheral blood of Donor 1. Each spectrum is the mean of IR spectra obtained on one IR image. Spectra have been offset for visual clarity. **B.** Score plots showing the projection of each spectrum of Figure A in the PC1-PC2 space. The spectral range used for the analysis is the combined region 3000-2800 and 1800-1000 cm⁻¹. **C.** Principal components PC1 and PC2.*