**Supplementary Table S1**

Supplementary Table S3: Overview of antibody marker information in the PBMC staining panels used in the study cohort. Per PBMC subset, the antibody marker, clone, fluorochrome, company, and catalog number information is provided.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PBMC Subset** | **Marker** | **Clone** | **Fluorochrome** | **Company** | **Catalog number** |
| **Major Subsets** | | | | | |
|  | 7-AAD |  |  | BD Biosciences | 555815 |
|  | CD3 | SK7 | FITC | BD Biosciences | 345764 |
|  | CD14 | MφP9 | APC | BD Biosciences | 345787 |
|  | CD16 | 3G8 | V500 | BD Biosciences | 561394 |
|  | CD19 | HIB19 | PE.Cy7 | BioLegend | 302216 |
|  | CD27 | M-T271 | PE | BioLegend | 56406 |
|  | CD56 | NCAM16.2 | BV421 | BD Biosciences | 562751 |
|  | HLA-DR | G46-6 | APC.H7 | BD Biosciences | 561358 |
|  | Brilliant Stain Buffer |  |  | BD Biosciences | 563794 |
| **CD4 T-cells** | | | | | |
|  | 7-AAD |  |  | BD Biosciences | 555815 |
|  | CD3 | SK7 | FITC | BD Biosciences | 345764 |
|  | CD4 | SK3 | PE.Cy7 | BD Biosciences | 557852 |
|  | CD27 | MT271 | APC.H7 | BD Biosciences | 560222 |
|  | CD28 | CD28.2 | APC | BioLegend | 302912 |
|  | CD45RA | HI100 | V500 | BD Biosciences | 561640 |
|  | CD57 | HNK-1 | PE | BioLegend | 359612 |
|  | CD197/CCR7 | G043H7 | BV421 | BioLegend | 353208 |
|  | Brilliant Stain Buffer |  |  | BD Biosciences | 563794 |
| **CD8 T-cells** | | | | | |
|  | 7-AAD |  |  | BD Biosciences | 555815 |
|  | CD3 | SK7 | FITC | BD Biosciences | 345764 |
|  | CD8 | SK1 | PE.Cy7 | BioLegend | 344712 |
|  | CD27 | MT271 | APC.H7 | BD Biosciences | 560222 |
|  | CD28 | CD28.2 | APC | BioLegend | 302912 |
|  | CD45RA | HI100 | V500 | BD Biosciences | 561640 |
|  | CD57 | HNK-1 | PE | BioLegend | 359612 |
|  | CD197/CCR7 | G043H7 | BV421 | BioLegend | 353208 |
|  | Brilliant Stain Buffer |  |  | BD Biosciences | 563794 |
| **Tregs** | | | | | |
|  | FVS520 |  |  | BD Biosciences | 564407 |
|  | CD3 | SK7 | APC.H7 | BD Biosciences | 560275 |
|  | CD4 | SK3 | BV510 | BD Biosciences | 562971 |
|  | CD25 | M-A251 | PE | BD Biosciences | 560989 |
|  | CD45RA | HI100 | PerCP-Cy5.5 | BD Biosciences | 563429 |
|  | CD127 | HIL-7R-M21 | PE.Cy7 | BD Biosciences | 560822 |
|  | CD152 (CTLA-4) | BNI3 | BV421 | BD Biosciences | 562743 |
|  | FoxP3 | 236A/E7 | AF647 | BD Biosciences | 561184 |
|  | Brilliant Stain Buffer |  |  | BD Biosciences | 563794 |
| **T-cell activation status** | | | | | |
|  | 7-AAD |  |  | BD Biosciences | 555815 |
|  | CD3 | SK7 | FITC | BD Biosciences | 345764 |
|  | CD4 | SK3 | PE.Cy7 | BD Biosciences | 557852 |
|  | CD8 | SK1 | APC.H7 | BD Biosciences | 560179 |
|  | CD38 | HIT2 | PE | BD Biosciences | 555460 |
|  | CD69 | FN50 | BV421 | BD Biosciences | 562884 |
|  | CD279 (PD-1) | EH12.2H7 | APC | BioLegend | 329908 |
|  | HLA-DR | G46-6 | BV510 | BD Biosciences | 563083 |
|  | Brilliant Stain Buffer |  |  | BD Biosciences | 563794 |