|  |  |  |
| --- | --- | --- |
| **Antibody/Marker** | **Conjugate** | **Source** |
| **OPTIONS/SCOPE** |  |  |
| *PBMC* |
| **Panel A. Senescence and Maturation** |
| CD3 | Pacific Blue | Pharmingen |
| CD4 | PE-Texas Red | Invitrogen |
| CD8 | QDOT605 | Invitrogen |
| CD57 | Alexa Flour 647 | Biolegend |
| CD28 | PE-Cy5 | Pharmingen |
| CD45RA | ECD | BD Bioscences |
| CCR5 | PE-Cy5 | Pharmingen |
| CCR7\* | PE-CY7 | Pharmingen |
|  |  |  |
| **Panel B. Activation** |
| CD3 | Pacific Blue | Pharmingen |
| CD4 | PE-Texas Red | Invitrogen |
| CD8 | QDOT605 | Invitrogen |
| CD38 | PE | BD Bioscences |
| HLADR | FITC | BD Bioscences |
| PD1 | Alexa 647 | BD Bioscences |
| CCR5 | PE-Cy5 | Pharmingen |
|  *LNMC* |  |  |
| CD3 | V450 | Pharmingen |
| CD4 | PE-Texas Red | Invitrogen |
| CD8 | QDOT605 | Invitrogen |
| **Maraviroc trial** |  |  |
| *PBMC* |  |  |
| CD3 | Pacific Blue | Pharmingen |
| CD4 | Alexa Flour 700 | Pharmingen |
| CD8 | APC | BD Bioscences |
| MMC |  |  |
| CD3 | Pacific Blue | Pharmingen |
| CD4 | APC-Cy5.5 | Invitrogen |
| CD8 | QD605 | Invitrogen |
| **Raltegravir trial** |  |  |
| *PBMC and MMC* |  |  |
| CD3 | Pacific Blue | Pharmingen |
| CD4 | PE-Texas Red | Invitrogen |
| CD8 | Qdot 605 | Invitrogen |
| Abbreviations, PBMC, peripheral blood mononuclear cells; LNMC, lymph node mononuclear cells, MMC, mucosal mononuclear cells.PBMC, LNMC and MMC were stained in all experiments with LIVE/DEAD Fixable Aqua Dead Cell Stain Kit (Invitrogen) to exclude non-viable cells\*In some experiments CCR7-PE-CY7 was replaced with CCR7-Alexa Flour 700 (Pharmingen) which improved CCR7 discrimination. Data obtained with different antibodies were not combined in the same analysis. |

**Table S1. Antibodies used for T-cell immunophenotyping.**