|  |  |  |  |
| --- | --- | --- | --- |
| **Assay** | **Surface marker** | **Fluorophore conjugation** | **Antibody supplier** |
| **AML blast cell/CD45+ cells phenotyping** | CD34 | VioBlue | Miltenyi |
| CD45 | FITC | Miltenyi |
| CD117 | PE-Vio770 | Miltenyi |
| CD54, MICA/B, ULBP-1, ULBP-2/5/6, PVR, Nectin-2 | PE | BD Biosciences/R&D Systems |
| IgG2a/IgG2b | PE | BD Biosciences |
| **NK cell activation** | CD56 | PE | Miltenyi |
| CD3 | PerCP | BD Biosciences |
| CD69 | FITC | BD Biosciences |
| IgG1 | FITC | BD Biosciences |
| **NK cell degranulation** | CD56 | PE | Miltenyi |
| CD3 | PerCP | BD Biosciences |
| CD107a | FITC | BD Biosciences |
| CD107b | FITC | BD Biosciences |
| **pDC ICAM-1 phenotyping** | BDCA-2 | VioBlue | Miltenyi |
| CD123 | FITC | BD Biosciences |
| CD54 | PE | BD Biosciences |
| IgG2b | PE | BD Biosciences |
| **cDC phenotyping** | CD80 | PE | BD Biosciences |
| CD86 | FITC | BD Biosciences |
| HLA-DR | PerCP | BD Biosciences |
| IgG1 | PE | BD Biosciences |
| IgG1 | FITC | BD Biosciences |
| IgG2 | PerCP | BD Biosciences |

|  |  |  |  |
| --- | --- | --- | --- |
| **Assay** | **Surface marker** | **Fluorophore conjugation** | **Antibody supplier** |
| **NK ligand phenotyping** | CD54, MICA/B, Nectin-2 | PE | BD Biosciences |
| ULBP-1, ULBP-2/5/6, PVR, Nectin-2 | PE | R&D Systems |
| IgG2a | PE | BD Biosciences |
| IgG2b | PE | BD Biosciences |
| **CD8+ T cell degranulation** | CD3 | VioBlue | Miltenyi |
| CD56 | PE | Miltenyi |
| CD8 | PerCP | BD Biosciences |
| CD107a, CD107b | FITC | BD Biosciences |
| **IFN-γ expression in CD8+ T cells** | CD3 | VioBlue | Miltenyi |
| CD56 | PE | Miltenyi |
| CD8 | PerCP | BD Biosciences |
| IFN-γ | FITC | Miltenyi |
| **Immune cell phenotyping****(NK cells, CD4+/ CD8+ T cells,** **B cells, monocytes and purified pDC)** | CD56 | PE | Miltenyi |
| CD3 | PerCP | BD Biosciences |
| CD4 | FITC | BD Biosciences |
| CD8 | VioBlue | Miltenyi |
| CD20 | VioBlue | Miltenyi |
| CD14 | PE | BD Biosciences |
| CD16 | FITC | BD Biosciences |
| CD123 | FITC | BD Biosciences |
| BDCA-2 | VioBlue | Miltenyi |

**Supplementary Table S1. Details of flow cytometry antibodies used in the study.**