**Supplementary table 1. Antibodies used in flow cytometry, immunofluorescence and immunoblotting analyses**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Antigen** | **Antibodies Conjugated with** | **Supplier** | **Catalog No.** | **Source** | **Dilution factor** |
| CD44 | PE | BD | PMG 561858 | Mouse | 1:5 |
| CD90 | APC | BD | PMG 561971 | Mouse | 1:20 |
| CD73 | PerCP-Cy5.5 | BD | PMG 561260 | Mouse | 1:20 |
| CD105 | FITC | BD | PMG 561443 | Mouse | 1:20 |
| CD14 | PE | BD | PMG 561707 | Mouse | 1:5 |
| CD34 | APC | BD | PMG 560940 | Mouse | 1:5 |
| CD45 | FITC | BD | PMG 560976 | Mouse | 1:20 |
| isotype | PE | BD | PMG 555743 | Mouse | 1:5 |
| isotype | APC | BD | PMG 555751 | Mouse | 1:5 |
| isotype | FITC | BD | PMG 555748 | Mouse | 1:5 |
| isotype | PerCP-Cy5.5 | BD | PMG 550795 | Mouse | 1:20 |
| PAX6 |  | Abcam | ab195045 | Rabbit | 1:100† or 1:1000‡ |
| CRX |  | Novus | H00001406-M02 | Mouse | 1:100† or 1:200‡ |
| RHO |  | Thermo | MA1-722 | Mouse | 1:100† or 1:1000‡ |
| POU4F2 |  | Abcam | ab56026 | Rabbit | 1:100† or 1:1000‡ |
| TUBB3 |  | CST | CST 5568S | Rabbit | 1:100† or 1:1000‡ |

† represents the dilution factor used in immunofluorescence analysis; ‡ represents the dilution factor used in immunoblotting analysis