**Supplementary File 1a.**

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| --- | --- | --- |
| **Antibody** | **Supplier and Cat. No. (concentration)** | **Dilution in**  **NGS** |
| **Primary antibodies** |  |  |
| Monoclonal rabbit anti-  PDGFRβ | Abcam, ab32570 (0.15 mg/ml) | 1/1000 |
| Monoclonal rabbit anti-  CD146 | Abcam, ab75769 (0.123mg/ml) | 1/1000 |
| Polyclonal rabbit anti-NG2 | Abcam, ab12905 | 1/600 |
| Polyclonal rabbit anti-CD31 | Abcam, ab28364 (1mg/ml) | 1/500 |
| Polyclonal rabbit anti-  EpCAM | Abcam, ab71916 (1mg/ml) | 1/2000 |
| Polyclonal rabbit anti-  PDGFRA | Santa Cruz Biotechnology, sc-338 (100μg/ml) | 1/1000 |
| **Secondary antibodies** |  |  |
| Goat F(ab) anti-rabbit IgG  H&L (HRP) | Abcam, ab7171 (1mg/ml) | 1/500 |

**Supplementary File 1b.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Antibody** | **Supplier Cat. No. (concentration)** | **Excitation λ (nm)** | **Emission λ (nm)** | **Dilution** |
| BV421 anti-mouse CD31 | BioLegend 102423 (0.2mg/ml) | 405 | 421 | 1/200 |
| BV421 anti-mouse CD45 | Fischer Scientific  BDB560501 (0.2mg/ml) | 404 | 448 | 1/100 |
| APC anti-mouse CD146 | BioLegend 134712 (0.2mg/ml) | 650 | 660 | 1/200 |
| BV605 anti-mouse  EpCAM | BioLegend 118227 (0.2mg/ml) | 405 | 603 | 1/400 |
| FITC anti-mouse  CD90 | Invitrogen 11-0902-82 (0.5 mg/ml) | 490 | 525 | 1/100 |
| DAPI (4’,6Diamidino-2Phenylindole,Dilac  tate) | Fischer Scientific D3571 (10mg powder reconstituted to a 0.1μg/μl working solution) | 358 | 461 | 1/1000 |