

**Supplementary table 1.** List of antibodies used in flow cytometry and immunofluorescence analysis.

| Antibodies                                                                                 | Source          | Catalogue number                       |
|--------------------------------------------------------------------------------------------|-----------------|----------------------------------------|
| PE Mouse Anti-Human SSEA-4                                                                 | BD Biosciences  | Cat# 560128,<br>RRID : AB_1645533      |
| PE Mouse Anti-Human TRA-1-81                                                               | BD Biosciences  | Cat# 560161,<br>RRID : AB_1645540      |
| APC Mouse Anti-Human CD34                                                                  | BD Biosciences  | Cat# 555824,<br>RRID : AB_398614       |
| APC Mouse Anti-Human CD41a                                                                 | BD Biosciences  | Cat# 559777,<br>RRID : AB_398671       |
| FITC Mouse Anti-Human CD45                                                                 | BD Biosciences  | Cat# 555482,<br>RRID : AB_395874       |
| FITC Mouse Anti-Human CD43                                                                 | BD Biosciences  | Cat# 555475,<br>RRID : AB_395867       |
| Rabbit Anti-Human Von Willebrand Factor Polyclonal Antibody, Unconjugated                  | Dako, Agilent   | Cat# A0082,<br>RRID : AB_2315602       |
| Donkey Anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 546      | Invitrogen      | Cat# A10036,<br>RRID : AB_2534012      |
| Donkey Anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 | Invitrogen      | Cat# A32766,<br>RRID : AB_2762823      |
| Donkey Anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 568              | Invitrogen      | Cat# A11057,<br>RRID : AB_2534104      |
| Donkey Anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 546     | Invitrogen      | Cat# A10040,<br>RRID : AB_2534016      |
| CD144 (VE-Cadherin) MicroBeads, human                                                      | Miltenyi Biotec | Cat# 130-097-857                       |
| APC Mouse Anti-Human CD309 (VEGFR-2)                                                       | Miltenyi Biotec | Cat# 130-120-478,<br>RRID : AB_2784122 |
| PE Anti-Human CD143 (ACE) REAfinity™                                                       | Miltenyi Biotec | Cat# 130-107-951,<br>RRID : AB_2655145 |
| PE Anti-HumanCD144 (VE-Cadherin) REAfinity™                                                | Miltenyi Biotec | Cat# 130-118-358,<br>RRID : AB_2751492 |
| FITC Mouse Anti-Human CD31                                                                 | Miltenyi Biotec | Cat# 130-092-654,<br>RRID : AB_871662  |
| PE Anti-Human eNOS, REAfinity™                                                             | Miltenyi Biotec | Cat# 130-106-787,<br>RRID : AB_2651629 |
| APC Anti-Human CD54 (ICAM-1), , REAfinity™                                                 | Miltenyi Biotec | Cat# 30-103-840,<br>RRID : AB_2658697  |
| Goat Anti-Human VE-Cadherin Polyclonal Antibody, Unconjugated                              | R&D Systems     | Cat# AF938,<br>RRID : AB_355726        |
| Mouse Anti-Human CD31 / pecam-1 Monoclonal Antibody, Unconjugated                          | R&D Systems     | Cat# BBA7,<br>RRID : AB_356960         |