

**Table S1. List of antibodies used for flow cytometry in this study.**

| <b>Antigen</b>    | <b>Clone</b> | <b>Type</b>       | <b>Fluorochrome</b> | <b>Identifier</b> | <b>Source</b>          |
|-------------------|--------------|-------------------|---------------------|-------------------|------------------------|
| TRA-1-60          | TRA-1-60R    | Mouse monoclonal  | PE                  | 60064PE.1         | Stem Cell Technologies |
| OCT4(OCT3)        | 3A2A20       | Mouse monoclonal  | PE                  | 60093PE.1         | Stem Cell Technologies |
| OCT4(OCT3)        | 3A2A20       | Mouse monoclonal  | AF488               | 60093AD.1         | Stem Cell Technologies |
| CD43              | CD43-10G7    | Mouse monoclonal  | APC                 | 343206            | BioLegend              |
| CD34              | 581          | Mouse monoclonal  | PE                  | 343506            | BioLegend              |
| CD45              | HI30         | Mouse monoclonal  | BV786               | 304048            | BioLegend              |
| Iba1              | EPR6136(2)   | Rabbit monoclonal | PE                  | ab209942          | Abcam                  |
| CD11b             | M1/70        | Mouse monoclonal  | AF700               | 557918            | BD Biosciences         |
| S100 $\beta$      | C-3          | Mouse monoclonal  | AF647               | sc-393919         | Santa Cruz             |
| GFAP              | 1B4          | Mouse monoclonal  | BV421               | 560297            | BD Biosciences         |
| Tubulin $\beta$ 3 | TUJ1         | Mouse monoclonal  | AF647               | 801210            | BioLegend              |
| Nestin            | 10C2         | Mouse monoclonal  | AF488               | 60091AD.1         | Stem Cell Technologies |
| HIV-1-Gag         | KC57         | Mouse monoclonal  | FITC                | 6604665           | Beckman Coulter        |

**Table S2. List of primers used for qRT-PCR in this study.**

| <b>Gene</b>     | <b>Forward Primer</b>                 | <b>Reverse Primer</b>              |
|-----------------|---------------------------------------|------------------------------------|
| <i>GAPDH</i>    | 5'-ACC-ACC-CTG-TTG-CTG-TAG-CCA-AAT    | 5'-TGA-CTT-CAA-CAG-CGA-CAC-CCA-CT  |
| <i>18S</i>      | 5'-GTA-ACC-CGT-TGA-ACC-CCA-TT         | 5'-CCA-TCC-AAT-CGG-TAG-TAG-CG      |
| <i>CD45</i>     | 5'-CTG-GAG-GAT-GAT-TTG-GGA-ACA        | 5'-CTT-CCA-TTG-ACG-GCC-AGT-AT      |
| <i>CD11B</i>    | 5'-GGA-ACG-CCA-TTG-TCT-GCT-TTC-G      | 5'-ATG-CTG-AGG-TCA-TCC-TGG-CAG-A   |
| <i>IBA1</i>     | 5'-CCC-TCC-AAA-CTG-GAA-GGC-TTC-A      | 5'-CTT-TAG-CTC-TAG-GTG-AGT-CTT-GG  |
| <i>TMEM119</i>  | 5'-TCC-AGG- GTC-AGA-TTA-CAA-GAG-CAC   | 5'-ACT-GTT-GAT-TCT-GGA-GGG-TTT-GA  |
| <i>S100β</i>    | 5'-GAA-GAA-ATC-CGA-ACTG-AAG-GAG-C     | 5'-TCC-TGG-AAG-TCA-CAT-TCG-CCG-T   |
| <i>ACSBG1</i>   | 5'-CCC-CTT-GAC-CTG-TGA-TGA-CC         | 5'-GAG-ACG-GGA-TGG-ACT-TGG-A       |
| <i>EAAT1</i>    | 5'-GGT-TGC-TGC-AAG-CAC-TCA-TCA-C      | 5'-CAC-GCC-ATT-GTT-CTC-TTC-CAG-G   |
| <i>Vimentin</i> | 5'-GAT-TCA-CTC-CCT-CTG-GTT-GAT-AC     | 5'-GTC-ATC-GTG-ATG-CTG-AGA-AGT     |
| <i>Nestin</i>   | 5'-TCA-AGA-TGT-CCC-TCA-GCC-TGG-A      | 5'-AAG-CTG-AGG-GAA-GTC-TTG-GAG-C   |
| <i>MAP2</i>     | 5'-CAG-GAG-ACA-GAG-ATG-AGA-ATT-CC     | 5'-CAG-GAG-TGA-TGG-CAG-TAG-AC      |
| <i>NEUN</i>     | 5'-CCG-AGT-GAT-GAC-CAA-CAA-GAA        | 5'-CAT-AGA-ATT-CAG-GCC-CGT-AGA-C   |
| <i>APOE</i>     | 5'- GGG-TCG-CTT-TTG-GGA-TTA-CCT-G     | 5'- CAA-CTC-CTT-CAT-GGT-CTC-GTC-C  |
| <i>CX3CR1</i>   | 5'-CAC-AAA-GGA-GCA-GGC-ATG-GAA-G      | 5'-CAG-GTT-CTG-TGT-AGA-CAC-AAG-GC  |
| <i>SLCO2B1</i>  | 5'-GTT-TCG-GCG-AAA-GGT-CTT-CTT-CGC-AG | 5'-CCA-TCC-TGC-TTC-TTC-GTG-GAC-T   |
| <i>TLR4</i>     | 5'-CCC-TGA-GGC-ATT-TAG-GCA-GCT-A      | 5'-AGG-TAG-AGA-GGT-GGC-TTA-GGC-T   |
| <i>CSFR1</i>    | 5'-GCT-GCC-TTA-CAA-CGA-GAA-GTG-G      | 5'-CAT-CCT-CCT-TGC-CCA-GAC-CAA-A   |
| <i>P2RY12</i>   | 5'-GTG-TCA-AGT-TAC-CTC-CGT-CAT-A      | 5'-TAA-ATG-GCC-TGG-TGG-TCT-TC      |
| <i>IL-34</i>    | 5'-CCA-AGG-TGG-AAT-CCG-TGT-TGT-C      | 5'-CAC-CTC-ACA-GTC-CTG-CCA-GTT-T   |
| <i>C3</i>       | 5'-GAC-ATT-CCG-GAA-CTC-GTC-AA         | 5'-CGT-ACT-CCT-TCA-CCT-CAA-ACT-C   |
| <i>C1Q</i>      | 5'-CAA-CAC-AGG-CTG-CTA-CGG-GAT-C      | 5'-CTG-CCC-TTT-GGG-TCC-TCG-GAT     |
| <i>IP-10</i>    | 5'-GGT-GAG-AAG-AGA-TGT-CTG-AAT-CC     | 5'-GTC-CAT-CCT-TGG-AAG-CAC-TGC-A   |
| <i>TNFα</i>     | 5'- CTCTTCTGCCTGCTGCACTTTG            | 5'- ATGGGCTACAGGCTTGCTCACTC        |
| <i>IL-18</i>    | 5'-GAT-AGC-CAG-CCT-AGA-GGT-ATG-G      | 5'-CCT-TGA-TGT-TAT-CAG-GAG-GAT-TCA |
| <i>1L-6</i>     | 5'-AGA-CAG-CCA-CTC-ACC-TCT-TCA-G      | 5'-TTC-TGC-CAG-TGC-CTC-TTT-GCT-G   |
| <i>IL-8</i>     | 5'-GAG-AGT-GAT-TGA-GAG-TGG-ACC-AC     | 5'-CAC-AAC-CCT-CTG-CAC-CCA-GTT-T   |
| <i>MCP-1</i>    | 5'-AGA-ATC-ACC-AGC-AGC-AAG-TGT-CC     | 5'-TCC-TGA-ACC-CAC-TTC-TGC-TTG-G   |
| <i>IL-1α</i>    | 5'-TGT-ATG-TGA-CTG-CCC-AAG-ATG-AAG    | 5'-AGA-GGA-GGT-TGG-TCT-CAC-TAC-C   |
| <i>INF-β</i>    | 5'- CTT-GGA-TTC-CTA-CAA-AGA-AGC-AGC   | 5'- TCCTCCTTCTGGAAGTCTGCA          |
| <i>IL-1β</i>    | 5'-CCA-CAG-ACC-TTC-CAG-GAG-AAT-G      | 5'-GTG-CAG-TTC-AGT-GAT-CGT-ACA-GG  |

**Table S3. List of antibodies used for immunofluorescence in this study.**

| Antigen      | Clone      | Type              | Fluorochrome  | Identifier | Source                 |
|--------------|------------|-------------------|---------------|------------|------------------------|
| HIV-1 Gag    | KC57       | Mouse monoclonal  | PE            | 6604667    | Beckman Coulter        |
| HIV-1 CA     | 241D       | Human monoclonal  | Unconjugated  | ARP-1244   | HIV reagents           |
| HIV-1 CA     | 71-31      | Human monoclonal  | Unconjugated  | ARP-530    | HIV reagents           |
| Iba1         | E404W      | Rabbit monoclonal | AF555         | 36618      | Cell Signaling         |
| Iba1         | EPR6136(2) | Rabbit monoclonal | PE            | ab209942   | Abcam                  |
| CD11b        | ICRF44     | Rabbit monoclonal | APC-Cy7       | 557754     | BD Biosciences         |
| TMEM119      | 106-6      | Mouse monoclonal  | AF647         | Ab225494   | Abcam                  |
| S100 $\beta$ | C-3        | Mouse monoclonal  | AF488         | sc-393919  | Santa Cruz             |
| GFAP         | 1B4        | Mouse monoclonal  | AF488         | 560297     | BD Biosciences         |
| GFAP         | GA5        | Mouse monoclonal  | AF647         | 3657S      | Cell Signaling         |
| Tubulin b3   | TUJ1       | Mouse monoclonal  | AF647         | 801210     | BioLegend              |
| Nestin       | 10C2       | Mouse monoclonal  | AF488         | 60091AD.1  | Stem Cell Technologies |
| NeuN         | EPR12763   | Rabbit monoclonal | AF647         | Abcam      | Abcam                  |
| MAP2         | AP20       | Mouse monoclonal  | PE            | sc-32791   | Santa Cruz             |
| ALDH1L1      | 2E7        | Mouse monoclonal  | NHS-ester-Cy7 | MA5-47403  | Stem Cell Technologies |

