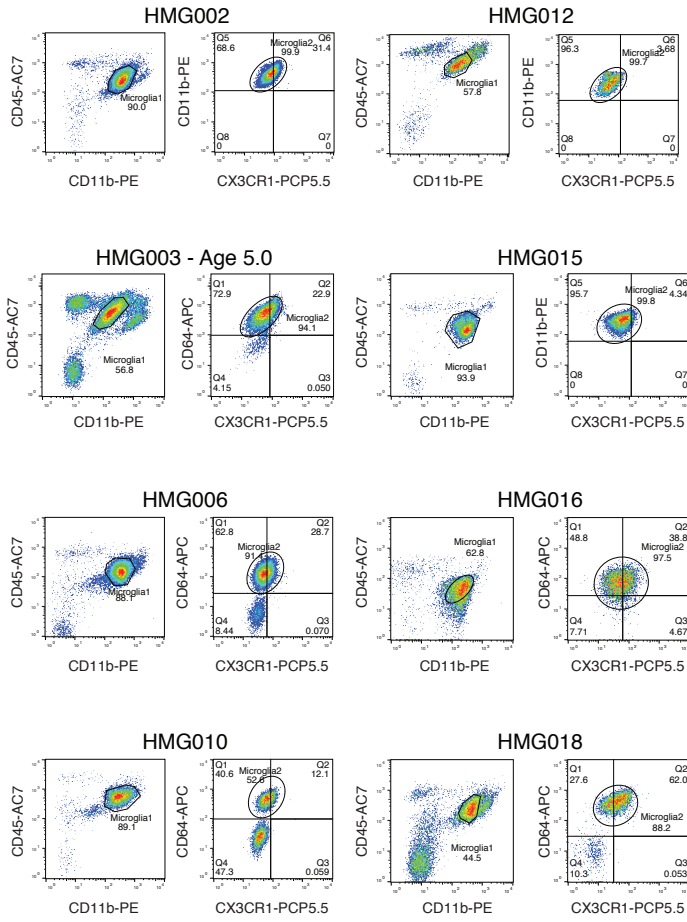
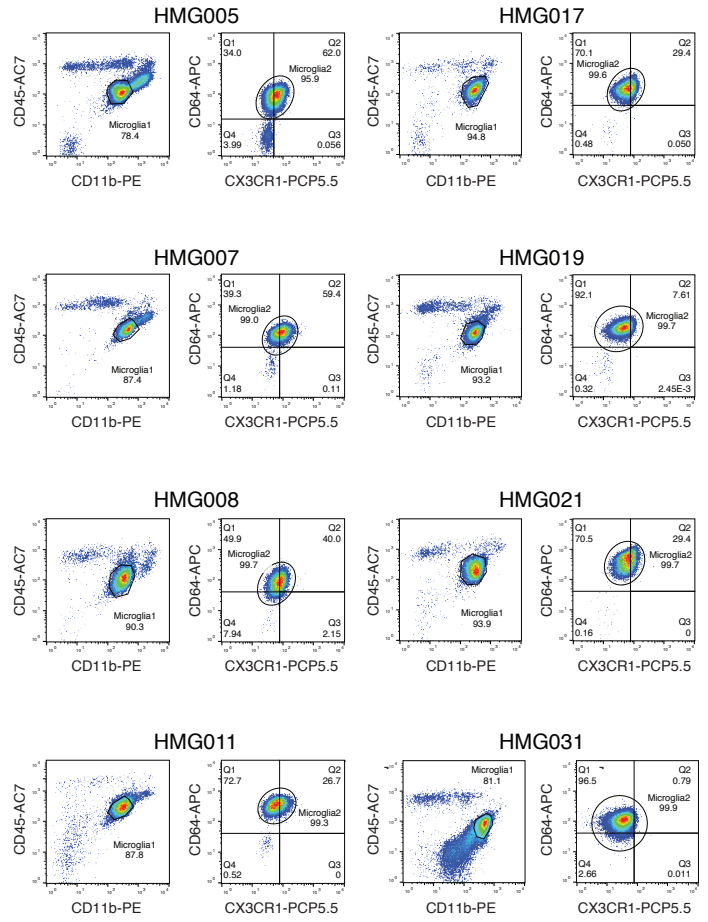


A

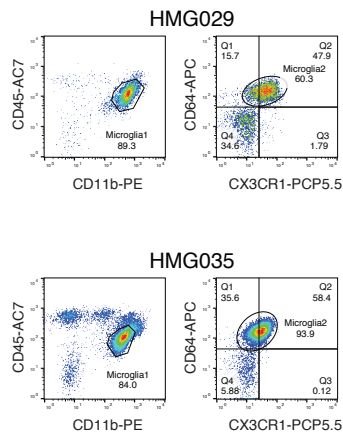
Tumor patients



Epilepsy patients



Acute ischemia patients



B

Mean RNA expression levels (TPM)

| Cell Specificity | Gene | Cortex | MG Ex Vivo | MG In vitro 7d | Monocytes |
|------------------|---------------|---------|------------|----------------|-----------|
| Myeloid | <i>CSF1R</i> | 54.2 | 1728.2 | 179.4 | 140.7 |
| | <i>SPI1</i> | 22.4 | 253.3 | 295.5 | 849.2 |
| | <i>CX3CR1</i> | 36.5 | 930.1 | 1.8 | 72.4 |
| Microglia | <i>TREM2</i> | 20.5 | 391.3 | 55.1 | 0.2 |
| | <i>P2RY12</i> | 48.7 | 1152.2 | 2.9 | 4.2 |
| | <i>SALL1</i> | 11.4 | 93.9 | 6.8 | 0.0 |
| Monocyte | <i>CCR2</i> | 0.1 | 1.8 | 0.3 | 101.7 |
| | <i>VCAN</i> | 8.8 | 7.0 | 0.5 | 412.6 |
| | <i>MYB</i> | 0.3 | 0.0 | 0.0 | 2.3 |
| Neuron | <i>MAP2</i> | 137.3 | 0.6 | 0.1 | 0.0 |
| | <i>RBFOX3</i> | 63.5 | 0.9 | 0.0 | 0.3 |
| Astrocyte | <i>GFAP</i> | 1215.1 | 2.5 | 0.9 | 0.7 |
| Oligoden. | <i>MBP</i> | 10493.9 | 8.5 | 6.0 | 29.8 |
| | <i>MOBP</i> | 275.1 | 0.3 | 0.0 | 0.0 |
| Other | <i>TTR</i> | 0.1 | 0.0 | 0.0 | 0.0 |
| | <i>VIM</i> | 113.3 | 26.4 | 763.5 | 1025.8 |
| | <i>OCN</i> | 0.3 | 0.1 | 0.0 | 0.0 |
| | <i>NES</i> | 7.8 | 0.0 | 0.2 | 0.0 |

Figure S2