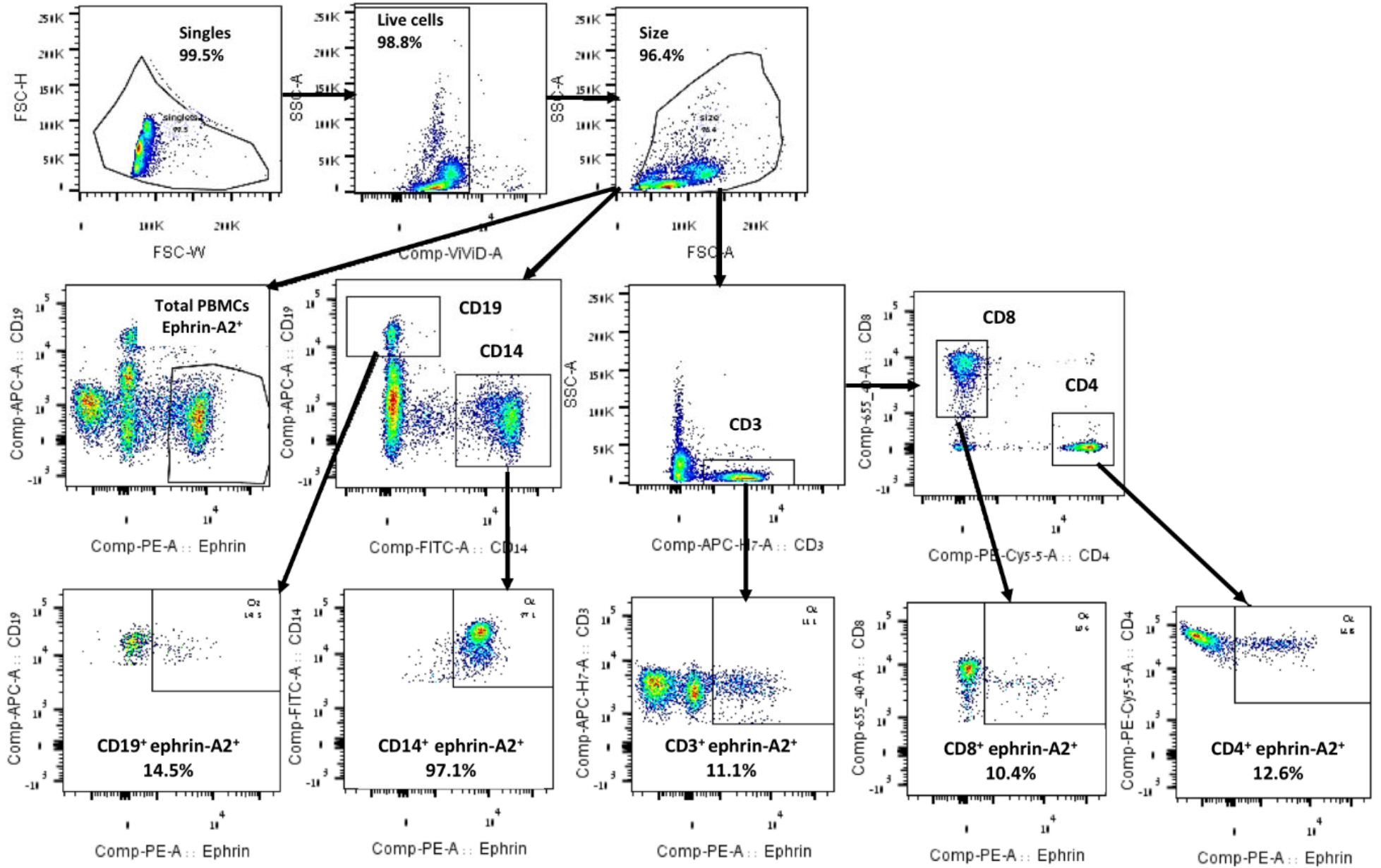
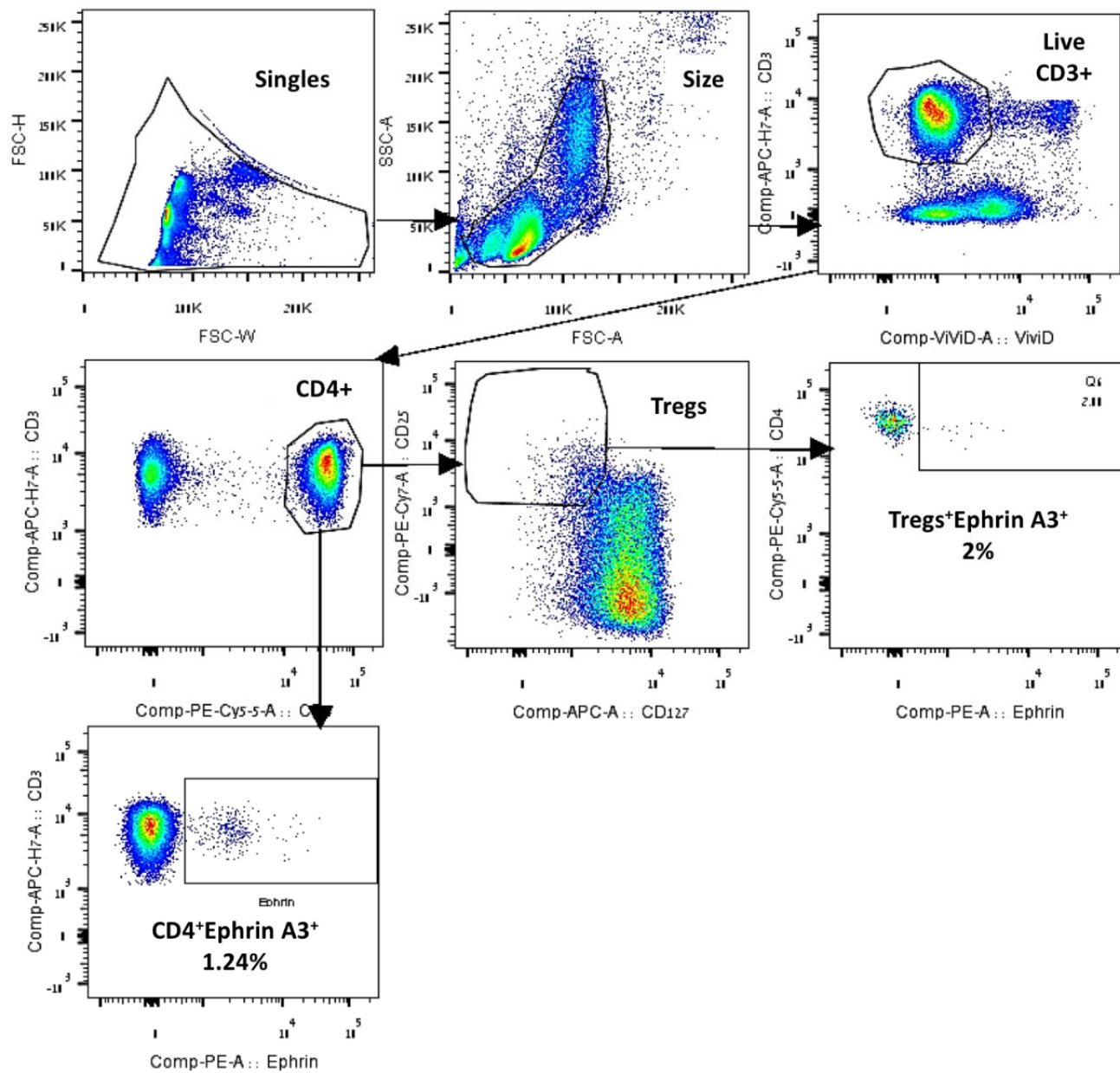
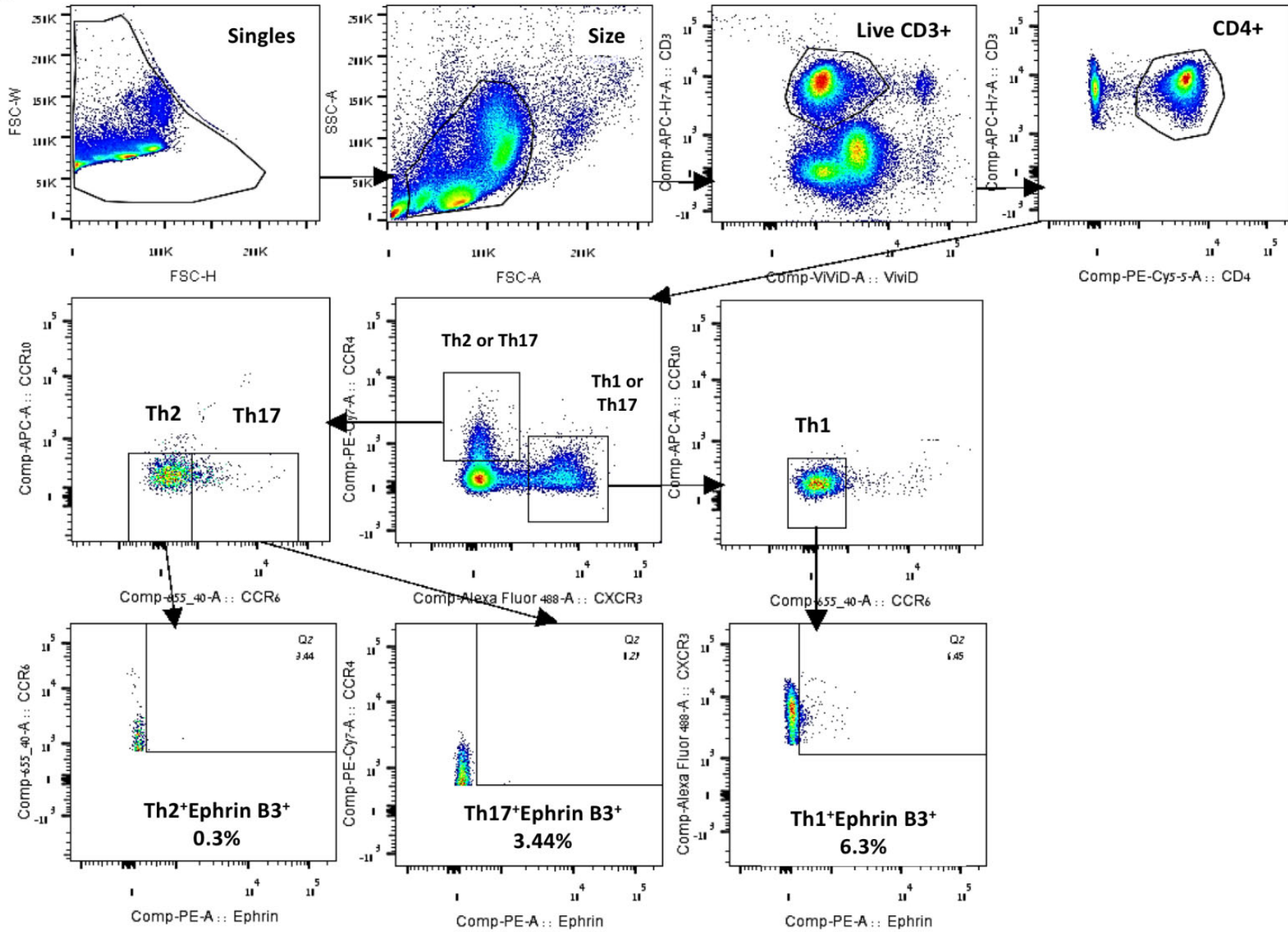


**A**

**B**

**C**

**Figure S1:** FACS gating and analysis of ephrins on immune cells. **(A)** A representative FACS gating and analysis for measuring the %ephrin-A2<sup>+</sup> PBMCs and the among different immune cells: monocytes (CD14<sup>+</sup>), B cells (CD19<sup>+</sup>), T cells (CD3<sup>+</sup>), CD4<sup>+</sup> T cells and CD8<sup>+</sup> T cells. **(B)** A representative FACS gating and analysis for %ephrin-A3<sup>+</sup> T regulatory (Tregs) cells (CD4<sup>+</sup> CD127<sup>-</sup>CD25<sup>high</sup>). **(C)** A representative FACS gating and analysis of %ephrin-B3<sup>+</sup> T helper (Th) cells: Th1 (CD4<sup>+</sup>CXCR3<sup>+</sup>), Th2 (CD4<sup>+</sup>CCR4<sup>+</sup>CCR6<sup>-</sup>) and Th17 (CD4<sup>+</sup>CCR4<sup>+</sup>CCR6<sup>+</sup>). MFI was calculated by ImageJ for the ephrin positive cells.

**Table S1:** % Ephrins expression on different Immune cells.

|                | Ephrin-A1 |          |          | Ephrin-A2 |          |              | Ephrin-A3 |          |              | Ephrin-B3 |          |              |
|----------------|-----------|----------|----------|-----------|----------|--------------|-----------|----------|--------------|-----------|----------|--------------|
|                | HC        | MS       | <i>p</i> | HC        | MS       | <i>p</i>     | HC        | MS       | <i>p</i>     | HC        | MS       | <i>p</i>     |
| <b>PBMCs</b>   | 19.6±1.4  | 21.6±1.8 | 0.406    | 17.5±1.2  | 23.4±1.5 | <b>0.006</b> | 22.4±1.5  | 28.4±1.8 | <b>0.016</b> | 19.3±1.3  | 22.5±1.6 | 0.155        |
| <b>T cells</b> | 3.9±1.1   | 2.1±0.4  | 0.080    | 3.8±0.6   | 8.6±1.6  | <b>0.046</b> | 2.9±0.6   | 7.9±1.5  | <b>0.025</b> | 1.8±0.4   | 3±0.5    | 0.172        |
| <b>B Cells</b> | 16.2±2.3  | 10.7±2.1 | 0.078    | 49.1±5.3  | 51.5±3.4 | 0.709        | 5±1.3     | 9.6±1.7  | <b>0.036</b> | 1.3±0.5   | 2.1±0.4  | 0.232        |
| <b>Mo</b>      | 98±0.5    | 98.7±0.2 | 0.177    | 96.2±0.8  | 95.2±1.9 | 0.637        | 99.1±0.2  | 99.4±0.1 | 0.175        | 96.6±0.7  | 98.4±0.3 | <b>0.032</b> |

PBMCs, Total peripheral blood mononuclear cells; Mo, Monocytes; Average ±S.E.M.

**Table S1:** % Ephrins expression on different T cells.

|                        | Ephrin-A1 |         |              | Ephrin-A2 |          |              | Ephrin-A3 |         |              | Ephrin-B3 |         |              |
|------------------------|-----------|---------|--------------|-----------|----------|--------------|-----------|---------|--------------|-----------|---------|--------------|
|                        | HC        | MS      | <i>p</i>     | HC        | MS       | <i>p</i>     | HC        | MS      | <i>p</i>     | HC        | MS      | <i>p</i>     |
| <b>CD4<sup>+</sup></b> | 4.7±1.5   | 1.1±0.3 | <b>0.028</b> | 4.2±1     | 6.3±1.1  | 0.162        | 1.4±0.4   | 5.2±1.2 | <b>0.003</b> | 1.2±0.2   | 1.7±0.3 | 0.166        |
| <b>CD8<sup>+</sup></b> | 8.1±2.4   | 4±0.7   | 0.109        | 4.8±1.2   | 10.7±1.8 | <b>0.008</b> | 3.8±1     | 9.1±1.5 | <b>0.005</b> | 1.9±0.6   | 4.6±0.9 | <b>0.013</b> |
| <b>Tregs</b>           | 9.3±3.1   | 2±0.5   | <b>0.030</b> | 14.6±2.4  | 17±2.6   | 0.493        | 2.8±0.6   | 7±1.8   | <b>0.031</b> | 1.6±0.3   | 2.6±0.4 | 0.050        |
| <b>Th1</b>             | 2.7±1.1   | 1.8±0.3 | 0.374        | 13.8±2.1  | 9.2±1.1  | <b>0.035</b> | 8.1±1.9   | 9.8±1.2 | 0.446        | 1.4±0.3   | 2.4±0.3 | <b>0.023</b> |
| <b>Th2</b>             | 1±0.2     | 1.1±0.3 | 0.823        | 0.9±0.2   | 1.6±0.4  | 0.209        | 0.5±0.1   | 1.1±0.3 | 0.123        | 0.4±0.1   | 1.2±0.3 | <b>0.037</b> |
| <b>Th17</b>            | 2±0.5     | 2.8±0.7 | 0.408        | 1.5±0.3   | 2.7±0.6  | 0.136        | 0.9±0.2   | 1.7±0.4 | 0.106        | 0.7±0.2   | 1.9±0.4 | <b>0.031</b> |

T-regs, T regulatory cells; Th, T helper cells; Average ±S.E.M.