

## **Compare T-cell Subsets:**

### **Regulatory T Cells and Activated T Cells**

CD45 (PE-Cy7, Clone: 30-F11)

CD3 (PE, Clone: 145-2C11)

CD4 (APC, Clone: GK1.5)

CD25 (FITC, Clone: PC61.5 and Clone: eBio7D4)

FoxP3 (PacificBlue, Clone: MF14)

**Regulatory T Cells (Treg):** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD25<sup>+</sup>FoxP3<sup>+</sup>

**Activated CD4<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD25<sup>+</sup>FoxP3<sup>-</sup>

### **Memory T Cells and Naïve T cells**

CD45 (PE-Cy7, Clone: 30-F11)

CD3 (PerCP-Cy5.5, Clone: 145-2C11)

CD4 (APC, Clone: GK1.5)

CD8 (PE, Clone: 53-6.7)

CD44 (FITC, Clone: IM7)

CD62L (APC-Cy7, Clone: MEL14)

CD69 (BV510, Clone: H1.2F3)

GhostDye Violet450

**Early Activated CD4<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD69<sup>+</sup>

**Early Activated CD8<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD8<sup>+</sup>CD69<sup>+</sup>

**Naïve CD4<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD44<sup>-</sup>CD62L<sup>+</sup>

**Naïve CD8<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD8<sup>+</sup>CD44<sup>-</sup>CD62L<sup>+</sup>

**Effector Memory CD4<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD44<sup>+</sup>CD62L<sup>-</sup>

**Effector Memory CD8<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD44<sup>+</sup>CD62L<sup>-</sup>

### **CD4<sup>+</sup> Helper T Cell Quantification**

CD45 (PE-Cy7, Clone: 30-F11)

CD3 (PE, Clone: 145-2C11)

CD4 (APC, Clone: GK1.5)

IFN $\gamma$  (BV510, Clone: XMG1.2)

IL4 (BV421, Clone: 11B11)

IL17A (FITC, Clone: TC11-18H10.1)

**T<sub>H</sub>1:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>IFN $\gamma$ <sup>+</sup>

**T<sub>H</sub>2:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>IL4<sup>+</sup>

**T<sub>H</sub>17:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>IL17A<sup>+</sup>

## **Other Immune Cell Profiling:**

### **T Cells and B Cells**

CD45 (PE-Cy7, Clone: 30-F11)

CD3 (PerCP-Cy5.5, Clone: 145-2C11)

CD4 (APC, Clone: GK1.5)

CD8 (PE, Clone: 53-6.7)

B220 (APC-Cy7, Clone: RA3-6B2)

GhostDye Violet450

**CD4<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>

**CD8<sup>+</sup> T Cells:** CD45<sup>+</sup>CD3<sup>+</sup>CD8<sup>+</sup>

**B Cells:** CD45<sup>+</sup>B220<sup>+</sup>

### **Myeloid Cells**

CD45 (PE-Cy7, Clone: 30-F11)

CD11b (APC, Clone: M1/70)

CD11c (PerCP-Cy5.5, Clone: N418)

MHC-II (BV510, Clone: M5/114.15.2)

F4/80 (FITC, Clone: BM8)

Gr1/Ly6G (APC-Cy7, Clone: 1A8)

SiglecF (PE, Clone: E50-2440)

GhostDye Violet450

**Neutrophils:** CD45<sup>+</sup>CD11b<sup>+</sup>Gr1<sup>hi</sup>

**Macrophages:** CD45<sup>+</sup>CD11b<sup>+</sup>Gr1<sup>-</sup>F4/80<sup>+</sup>

**Dendritic Cells:** CD45<sup>+</sup>CD11b<sup>+</sup>Gr1<sup>-</sup>F4/80<sup>-</sup>CD11c<sup>+</sup>

**Eosinophils:** CD45<sup>+</sup>CD11b<sup>+</sup>SiglecF<sup>+</sup>