

This document is just a guide on basic T-Cell markers that you can use for Flow Cytometry.

### **Basic Human and Mouse T-Cell Immunology**

#### **Human**

<b>Lineage</b>	<b>CD3+</b>	<b>CD4+</b> <b>CD8 +</b>	<b>T-helper</b> <b>T-cytotoxic</b>
<b>Naïve</b>	<b>CD45RA+ CCR7+ CD45RO- CD27+</b>		
<b>Central Memory</b>	<b>CCR7+ CD45RA- CD45RO+ CD62L+ CD27+</b>		
<b>Effector Memory</b>	<b>CCR7- CD45RA- CD45RO+ CD62L- CD27-</b>		
<b>Tissue Resident</b>	<b>CD69+ CD103+</b>		

#### **Mouse**

<b>Lineage</b>	<b>CD3+</b>	<b>CD4+</b> <b>CD8 +</b>	<b>T-helper</b> <b>T-cytotoxic</b>
<b>Naïve</b>	<b>CD44- CD62L+</b>		
<b>Central Memory</b>	<b>CD44+ CD62L+</b>		
<b>Effector Memory</b>	<b>CD44+ CD62L-</b>		
<b>Tissue Resident</b>	<b>CD69+ CD103+</b>		
<b>Stem Cell Like</b>	<b>CD44- CD62L+</b>		