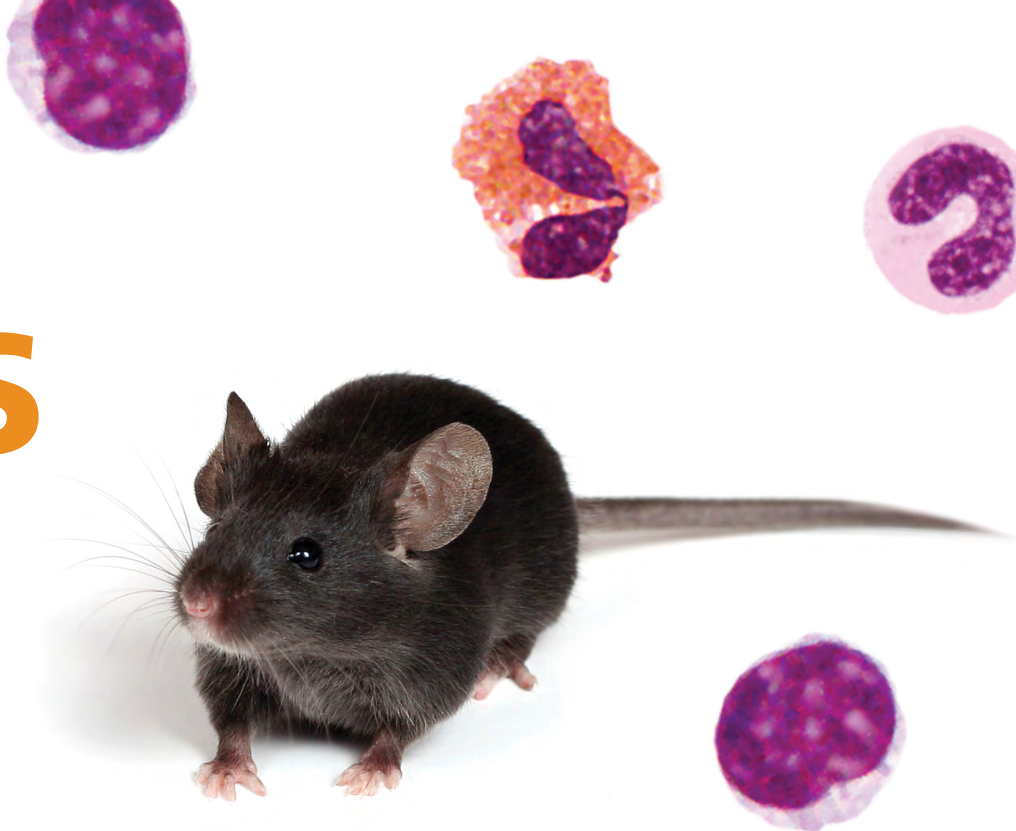


# Frequencies & Percentages of Mouse Immune Cell Types



Cell Type	Tissue Source	Frequencies or Percentages (cells/ $\mu$ L of blood <sup>1,2</sup> or % of total leukocytes <sup>1,2,3</sup> )	STEMCELL Technologies Cell Isolation Kits <sup>5</sup> (Catalog #)	
			Selection Method	
			Negative <sup>6</sup>	Positive <sup>7</sup>
Erythrocytes	Peripheral Blood	$10.6 \pm 0.4 \times 10^6$	—	—
Platelets	Peripheral Blood	$1157 \pm 123 \times 10^3$	—	—
Leukocytes	Peripheral Blood	$2.6 \pm 0.9 \times 10^3$	—	—
Lymphocytes	Peripheral Blood	$2.0 \pm 0.8 \times 10^3$	—	—
T Cells	Spleen	$29.0 \pm 2.4\%$	19851	18951 (CD90.2 <sup>+</sup> )
Naïve T Cells	Spleen	$22.0 \pm 0.9\%$	19848	—
CD4 <sup>+</sup> T Cells	Spleen	$17.3 \pm 2.8\%$	19852	18952 (CD4 <sup>+</sup> )
Naïve CD4 <sup>+</sup> T Cells	Spleen	$12.7 \pm 1.4\%$	19765	18765 (CD4 <sup>+</sup> CD62L <sup>+</sup> )
Memory CD4 <sup>+</sup> T Cells	Spleen	$6.2 \pm 1.7\%$	19767	—
Regulatory T Cells	Spleen	$2.0 \pm 0.3\%$	—	18783 (CD4 <sup>+</sup> CD25 <sup>+</sup> )
CD8 <sup>+</sup> T Cells	Spleen	$11.1 \pm 2.1\%$	19853	18953 (CD8a <sup>+</sup> )
Naïve CD8 <sup>+</sup> T Cells	Spleen	$8.1 \pm 0.9\%$	19858	—
Memory CD8 <sup>+</sup> T Cells	Spleen	$3.4 \pm 1.0\%$	—	—
NK T Cells	Spleen	$1.9 \pm 0.6\%$	—	—
B Cells	Spleen	$57.8 \pm 7.2\%$	19854	18954 (CD19 <sup>+</sup> )
			19844 <sup>8</sup>	
NK Cells	Spleen	$1.1 \pm 0.2\%$	19855	18755 (CD49b <sup>+</sup> )
Monocytes	Spleen	$4.2 \pm 0.7\%$	19861	18970 (CD11b <sup>+</sup> )
	Bone Marrow	$13.2 \pm 2.8\%$		—
	Peripheral Blood	$0.04 \pm 0.03 \times 10^3$		—
Pan-Dendritic Cells	Spleen	$6.5 \pm 1.4\%$	19763	18780 (CD11c <sup>+</sup> )
Conventional Dendritic Cells	Spleen	$4.1 \pm 1.7\%$	—	—
Plasmacytoid Dendritic Cells	Spleen	$0.4 \pm 0.2\%$	19764	—
Macrophages	Spleen	$7.4 \pm 2.3\%$	—	100-0659
	Lung	$26.5 \pm 2.7\%$		
	Peritoneal Lavage	$37.2 \pm 9.3\%$		
Neutrophils	Bone Marrow	$34.0 \pm 9.0\%$	19762	—
	Peripheral Blood	$0.5 \pm 0.5 \times 10^3$		
Granulocytes	Spleen	$1.3 \pm 1.4\%$	—	—
Eosinophils	Peripheral Blood	$0.06 \pm 0.05 \times 10^3$	—	—
Basophils	Peripheral Blood	$0.005 \pm 0.006 \times 10^3$	—	—
Hematopoietic Progenitor Cells	Bone Marrow	$0.17 \pm 0.03\%$	19856	18757 (CD117 <sup>+</sup> )
				18756 (Sca1 <sup>+</sup> )

1. Cell type frequencies and percentages are for 6 to 12 week old C57BL/6 or C57BL/6J mice. The values will vary depending on mouse strain, age, gender, and environment. 2. Data sourced from: A. The Jackson Laboratory. Flow-cytometric analysis of 11 inbred strains of mice. MPD:Jaxpheno6. Mouse Phenome Database website, The Jackson Laboratory, Bar Harbor, Maine, USA. <http://phenome.jax.org>, Aug, 2013; B. The Jackson Laboratory. Hematological survey of 11 inbred strains of mice. MPD:Jaxpheno4. Mouse Phenome Database website, The Jackson Laboratory, Bar Harbor, Maine, USA. <http://phenome.jax.org>, Aug, 2013. 3. Data sourced from: C. STEMCELL Technologies' RND Scientists. 4. Peripheral blood values expressed as cells/ $\mu$ L of blood. Spleen and bone marrow values expressed as % of total leukocytes. 5. EasySep™/RoboSep™ Immunomagnetic Isolation. 6. Negative selection labels unwanted cells to isolate desired untouched cells. 7. Positive selection labels and isolates desired cell types. 8. Without CD43 depletion; for pan-B cells.

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