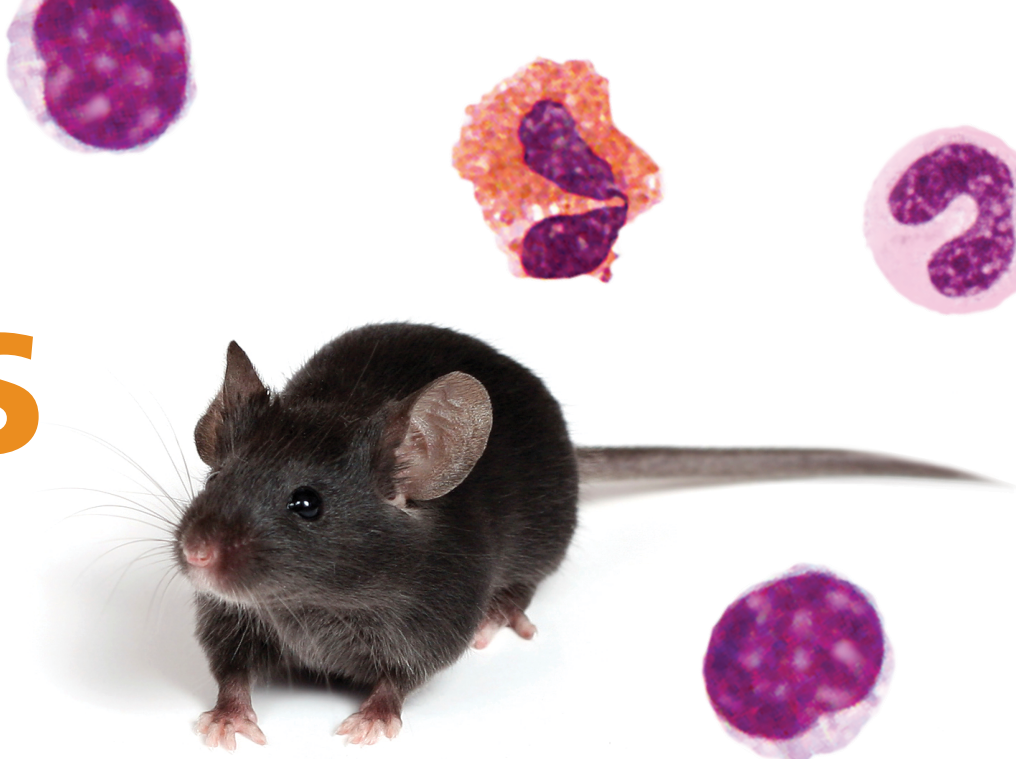


Frequencies & Percentages of Mouse Immune Cell Types



Cell Type	Tissue Source	Frequencies or Percentages (cells/ μ L of blood ^{1,2} or % of total leukocytes ^{1,2,3})	STEMCELL Technologies Cell Isolation Kits ⁵ (Catalog #)	
			Selection Method	
			Negative ⁶	Positive ⁷
Erythrocytes	Peripheral Blood	10.6 \pm 0.4 x 10 ⁶	—	—
Platelets	Peripheral Blood	1157 \pm 123 x 10 ³	—	—
Leukocytes	Peripheral Blood	2.6 \pm 0.9 x 10 ³	—	—
Lymphocytes	Peripheral Blood	2.0 \pm 0.8 x 10 ³	—	—
T Cells	Spleen	29.0 \pm 2.4%	19851	18951 (CD90.2+)
Naïve T Cells	Spleen	22.0 \pm 0.9%	19848	—
CD4+ T Cells	Spleen	17.3 \pm 2.8%	19852	18952 (CD4+)
Naïve CD4+ T Cells	Spleen	12.7 \pm 1.4%	19765	18765 (CD4+CD62L+)
Memory CD4+ T Cells	Spleen	6.2 \pm 1.7%	19767	—
Regulatory T Cells	Spleen	2.0 \pm 0.3%	—	18783 (CD4+CD25+) 100-1570 (CD4+CD304+)
CD8+ T Cells	Spleen	11.1 \pm 2.1%	19853	18953 (CD8a+)
Naïve CD8+ T Cells	Spleen	8.1 \pm 0.9%	19858	—
Memory CD8+ 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 19844 ⁸	18954 (CD19+) 18957 (CD138+)
NK Cells	Spleen	1.1 \pm 0.2%	19855	18755 (CD49b+)
Monocytes	Spleen	4.2 \pm 0.7%	19861	18970 (CD11b+)
	Bone Marrow	13.2 \pm 2.8%		—
	Peripheral Blood	0.04 \pm 0.03 x 10 ³		—
Pan-Dendritic Cells	Spleen	6.5 \pm 1.4%	—	18780 (CD11c+)
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 x 10 ³		
Granulocytes	Spleen	1.3 \pm 1.4%	—	—
Eosinophils	Peripheral Blood	0.06 \pm 0.05 x 10 ³	—	—
Basophils	Peripheral Blood	0.005 \pm 0.006 x 10 ³	—	—
Hematopoietic Progenitor Cells	Bone Marrow	0.17 \pm 0.03%	19856	18757 (CD117+)
				18756 (Sca1+)

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/ μ 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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