

GFP Expressing Lymphocyte Populations

Stock Number	Strain	Cell population:	Relative Proportions of GFP Expressing Cells							Number of animals tested
			B cells	CD4 T cells	CD8 T cells	Dendritic Cells	Eosinophils	Neutrophils	Monocytes	
		Tissue	% of B220 +	% of CD4+	% of CD8+	% of CD11c+	% of High SSC/Gr-1 low/CD11b+	% of High SSC/Gr-1 high/CD11b+	% of Low SSC/CD11b+ Gr-1+	
003291	C57BL/6-Tg(CAG-EGFP)1Osb/J	Bone Marrow	72.03+/-5.25	78.43+/-4.84	79.97+/-2.66	86.97+/-2.29	41.10+/-8.21	39.00+/-4.71	86.53+/-3.26	3
006567	C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ		98.83+/-1.27	99.20+/-0.46	99.70+/-1.10	97.63+/-1.67	99.23+/-0.72	98.97+/-1.04	97.80+/-1.92	3
007075	CByJ.B6-Tg(CAG-EGFP)1Osb/J		36.20+/-3.96	42.85+/-7.28	34.40+/-6.79	54.95+/-2.62	11.78+/-5.27	17.40+/-5.80	74.75+/-3.32	2
003291	C57BL/6-Tg(CAG-EGFP)1Osb/J	Spleen	82.33+/-3.18	82.53+/-3.61	81.87+/-3.91	98.83+/-0.21	49.43+/-6.17	50.73+/-6.48	95.83+/-0.06	3
006567	C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ		99.07+/-1.10	99.70+/-0.44	99.63+/-0.47	99.77+/-0.25	99.83+/-0.29	99.03+/-1.06	99.33+/-0.90	3
007075	CByJ.B6-Tg(CAG-EGFP)1Osb/J		62.30+/-3.25	40.10+/-7.21	39.60+/-5.94	93.10+/-2.40	20.85+/-18.03	26.40+/-8.91	78.30+/-1.70	2
		Cell population:	CD4 CD8 Double Negative	CD4 CD8 Double Positive	CD4 Single Positive	CD8 Single Positive	Number of animals tested			
		Tissue	% of CD4- CD8-	% of CD4+ CD8+	% of CD4+	% of CD8+				
003291	C57BL/6-Tg(CAG-EGFP)1Osb/J	Thymus	55.43+/-8.88	14.33+/-1.11	66.73+/-3.29	55.43+/-0.32	3			
006567	C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ		62.87+/-4.92	98.70+/-0.95	99.53+/-0.46	99.10+/-0.95	3			
007075	CByJ.B6-Tg(CAG-EGFP)1Osb/J		26.55+/-0.21	5.39+/-0.36	34.35+/-6.01	29.70+/-0.14	2			
		Cell population:	B cells	CD4 T cells	CD8 T cells	Eosinophils	Neutrophils	Monocytes	Number of animals tested	
		Tissue	% of B220 +	% of CD4+	% of CD8+	% of High SSC/Gr-1 low/CD11b+	% of High SSC/Gr-1 high/CD11b+	% of Low SSC/CD11b+ Gr-1+		
003291	C57BL/6-Tg(CAG-EGFP)1Osb/J	Peripheral Blood	82.20+/-2.86	81.43+/-4.38	81.50+/-3.84	46.83+/-4.34	50.93+/-4.23	97.23+/-0.58	3	
006567	C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ		99.07+/-1.02	99.67+/-0.32	99.63+/-0.46	99.50+/-0.10	99+/-0.92	99.47+/-0.68	3	
007075	CByJ.B6-Tg(CAG-EGFP)1Osb/J		60.15+/-6.43	37.15+/-9.83	35.65+/-8.56	16.30+/-7.35	24.35+/-9.97	84.20+/-3.25	2	

Single cell suspensions were made from the spleen, thymus, bone marrow and peripheral blood of 6-8 week old C57BL/6-Tg(CAG-EGFP)131Osb/J (Stock Number 006567), C57BL/6-Tg(CAG-EGFP)1Osb/J (Stock Number 003291), CByJ.B6-Tg(CAG-EGFP)1Osb/J (Stock Number 007075) and wild type controls. Cells were processed for flow cytometry staining using standard protocols. Cell populations were identified with the following mouse antibodies: CD4(clone GK1.5), CD8(clone 53-6.72), CD11b/Mac-1(clone M1/70), and CD11c/Gr-1 (clone N418). Neutrophils and Eosinophils were delineated based on their Forward Scatter (FSC) and Side Scatter (SSC) properties and mean fluorescence intensity of Gr-1 staining. Dead cells were excluded from analysis via the addition of propidium iodide. Data represented are the proportion of GFP expressing cells within each given population.