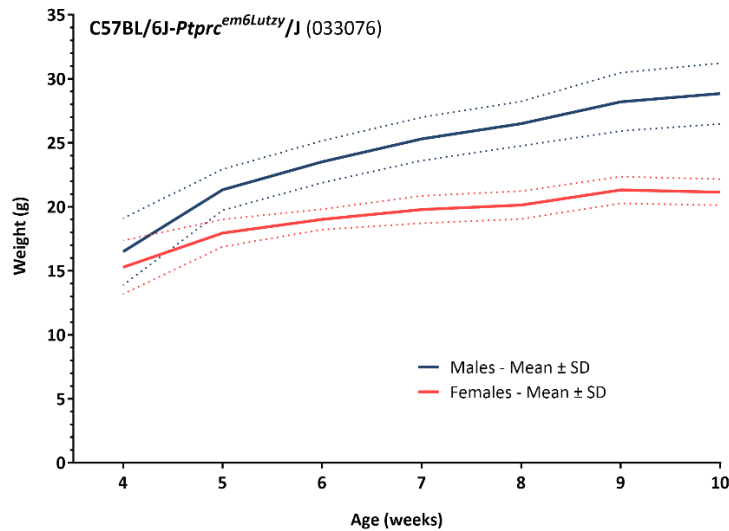


Physiological Data Summary – C57BL/6J-*Ptprc^{em6Lutz}*/J (033076)



Body Weight (g; mean ± st dev)		
Age (w)	Females	Males
4	15.3 ± 2.1	16.5 ± 2.6
5	17.9 ± 1.1	21.3 ± 1.6
6	19.0 ± 0.8	23.5 ± 1.6
7	19.8 ± 1.1	25.3 ± 1.7
8	20.1 ± 1.1	26.5 ± 1.7
9	23.1 ± 1.0	28.2 ± 2.3
10	21.1 ± 1.0	28.8 ± 2.4

Groups of 30 males and 30 females were weighed the same day each week. Mice were fed a diet containing 6% fat (LabDiet 5K52 formulation). Values represent mean and one standard deviation; ages are ± 3 days.

Hematology		Females		Males	
Parameter	Units	C57BL/6J- <i>Ptprc^{em6Lutz}</i> /J	C57BL/6J	C57BL/6J- <i>Ptprc^{em6Lutz}</i> /J	C57BL/6J
White blood cell count (WBC)	10 ³ cells/μL	10.1 ± 1.8	8.7 ± 1.1	9.2 ± 1.7	8.4 ± 1.7
Red blood cell count (RBC)	10 ⁶ cells/μL	10.7 ± 0.2	10.5 ± 0.5	10.8 ± 0.2	10.9 ± 0.2
Hemoglobin	g/dL	16.1 ± 0.4	15.7 ± 0.6	16.1 ± 0.2	15.9 ± 0.3
Hematocrit	%	49.0 ± 1.2	48.3 ± 1.9	50.4 ± 1.0	50.0 ± 1.2
Mean cell volume (MCV)	fL	45.8 ± 0.5	45.9 ± 0.5	46.6 ± 0.7	46.0 ± 0.4
Mean cell hemoglobin (MCH)	pg	15.0 ± 0.2	14.9 ± 0.2	14.9 ± 0.2	14.6 ± 0.1
Mean cell hemoglobin concentration (MCHC)	g/dL	32.8 ± 0.4	32.6 ± 0.4	32.0 ± 0.5	31.8 ± 0.3
Red cell distribution width (RDW)	%	17.6 ± 0.4	17.5 ± 0.4	17.5 ± 0.3	17.4 ± 0.3
Platelet count	10 ³ cells/μL	1223 ± 59	1142 ± 192	1352 ± 139	1347 ± 168
Mean platelet volume (MPV)	fL	6.3 ± 0.1	6.4 ± 0.1	6.5 ± 0.2	6.4 ± 0.1
Neutrophils	%	7.1 ± 2.0	6.2 ± 0.8	7.1 ± 1.5	6.9 ± 1.1
	10 ³ cells/μL	0.7 ± 0.2	0.5 ± 0.1	0.7 ± 0.2	0.6 ± 0.1
Lymphocytes	%	87.6 ± 2.6	89.2 ± 1.2	87.1 ± 2.7	87.8 ± 1.9
	10 ³ cells/μL	8.8 ± 1.7	7.8 ± 1.1	8.0 ± 1.4	7.4 ± 1.5
Monocytes	%	3.1 ± 0.4	2.6 ± 0.6	2.4 ± 0.6	2.0 ± 0.5
	10 ³ cells/μL	0.31 ± 0.06	0.22 ± 0.05	0.23 ± 0.10	0.17 ± 0.06
Eosinophils	%	2.0 ± 0.5	1.8 ± 0.3	3.2 ± 2.4	3.1 ± 2.1
	10 ³ cells/μL	0.20 ± 0.05	0.15 ± 0.02	0.29 ± 0.23	0.26 ± 0.19
Basophils	%	0.32 ± 0.09	0.25 ± 0.14	0.28 ± 0.09	0.26 ± 0.07
	10 ³ cells/μL	0.032 ± 0.011	0.021 ± 0.009	0.026 ± 0.01	0.022 ± 0.008
Reticulocytes	%	3.5 ± 0.4	4.0 ± 1.0	4.0 ± 0.2	3.8 ± 0.2
	10 ³ cells/μL	374 ± 44	422 ± 86	436 ± 23	418 ± 22

Hematology parameters were measured in submental whole blood samples collected at 8 weeks of age. Values are mean ± standard deviation of 10 mice per strain and sex. Values from C57BL/6J mice (Strain 000664) are included for reference.

Spleen Flow Cytometry	Females		Males	
CD45 Variant Expression	C57BL/6J- <i>Ptprc</i> ^{em6Lutz} /J	C57BL/6J	C57BL/6J- <i>Ptprc</i> ^{em6Lutz} /J	C57BL/6J
% CD45.1	99.5 ± 0.4	0.1 ± 0.1	99.8 ± 0.0	0.0 ± 0.0
% CD45.2	0.1 ± 0.2	99.7 ± 0.2	0.1 ± 0.0	99.9 ± 0.0
Major Immune Cells¹				
B Cells (B220+)	63.7 ± 2.7	64.6 ± 2.4	65.0 ± 1.4	66.4 ± 1.5
T Cells (CD3e+)	25.1 ± 1.6	24.4 ± 2.7	25.0 ± 1.8	24.8 ± 1.2
Helper T Cells (CD3e+, CD4+)	14.4 ± 1.1	14.1 ± 1.8	14.8 ± 1.3	14.7 ± 0.9
Cytotoxic T Cells (CD3e+, CD8+)	9.3 ± 0.6	9.0 ± 1.0	9.1 ± 0.6	9.2 ± 0.4
NK T Cells (CD3e+, CD49b+)	0.54 ± 0.07	0.62 ± 0.14	0.41 ± 0.05	0.47 ± 0.06
NK Cells (CD3-, B220-, CD49b+)	1.50 ± 0.30	1.20 ± 0.34	1.52 ± 0.31	1.50 ± 0.15
Monocytes (CD11b+, SSC Low, Gr1-)	0.81 ± 0.09	0.88 ± 0.16	0.96 ± 0.11	0.97 ± 0.09
Neutrophils/Granulocytes (CD11b+, Gr1+)	0.97 ± 0.21	0.67 ± 0.11	0.84 ± 0.22	0.68 ± 0.13
Eosinophils (CD11b+, SSC High)	0.23 ± 0.08	0.19 ± 0.06	0.27 ± 0.08	0.26 ± 0.05
Dendritic Cells (CD11b+, SSC Low, CD11c+)	0.56 ± 0.11	0.42 ± 0.07	0.67 ± 0.11	0.64 ± 0.08
Tregs (CD3e+, CD4+, CD25+)	11.8 ± 0.9	11.0 ± 0.6	11.8 ± 0.6	11.8 ± 0.6
Plasmacytoid Dendritic Cells (CD11b+, B220+)	0.11 ± 0.02	0.12 ± 0.05	0.09 ± 0.01	0.13 ± 0.03
CD4 T Cell Classifications²				
% Effector/effector memory	14.2 ± 1.4	12.7 ± 1.6	11.8 ± 1.3	12.9 ± 2.2
% Central memory	4.9 ± 0.8	4.5 ± 0.7	3.9 ± 0.6	4.5 ± 0.6
% Naive	78.3 ± 1.9	80.2 ± 2.8	81.3 ± 1.9	80.3 ± 2.5
% Activated effector	2.6 ± 0.6	2.7 ± 1.3	3.0 ± 0.5	2.4 ± 0.6
CD8 T Cell Classifications²				
% Effector/effector memory	4.9 ± 1.4	3.5 ± 0.7	4.1 ± 1.0	3.9 ± 0.8
% Central memory	11.1 ± 1.3	12.0 ± 1.8	12.2 ± 1.8	15.7 ± 1.7
% Naive	64.9 ± 5.1	71.1 ± 3.9	68.7 ± 5.4	71.0 ± 3.4
% Activated effector	19.2 ± 4.0	13.3 ± 3.3	15.0 ± 5.4	9.4 ± 2.7

¹ All parameters are calculated as % viable cells except for Tregs, which are % CD4 T cells. Values are mean ± standard deviation of 10 mice per sex and strain, aged 8 weeks.

² T cell classifications are based on expression of the following markers:

Effector/effector memory: CD44 High, CD62L Low

Central memory: CD44 High, CD62L High

Naive: CD44 Low, CD62L High

Activated effector: CD44 Low, CD62L Low