



Body Weight (g; mean ± st dev)		
Age (w)	Females	Males
3	10.2 ± 1.8	10.7 ± 2.3
4	14.8 ± 1.5	16.1 ± 2.2
5	17.1 ± 1.1	19.0 ± 1.7
6	18.1 ± 1.3	21.3 ± 1.6
7	19.7 ± 1.3	23.4 ± 1.5
8	20.6 ± 1.3	24.6 ± 1.6
9	21.3 ± 1.5	25.5 ± 1.8
10	21.9 ± 2.1	26.2 ± 1.9

Groups of 40 males and 40 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				Serum Chemistry			
Parameter	Units	Females	Males	Parameter	Units	Females	Males
White blood cell count (WBC)	10 <sup>3</sup> cells/μL	3.3 ± 0.6	4.7 ± 1.3	Albumin	g/dL	3.2 ± 0.2	3.1 ± 0.3
Red blood cell count (RBC)	10 <sup>6</sup> cells/μL	8.4 ± 0.3	8.5 ± 0.4	ALT	IU/L	74 ± 79	40 ± 6
Hemoglobin	g/dL	12.4 ± 0.5	12.2 ± 0.6	AST	IU/L	137 ± 83	99 ± 30
Hematocrit	%	41.2 ± 1.2	38.9 ± 2.2	Blood Urea Nitrogen	mg/dL	20 ± 2	23 ± 1
Mean cell volume (MCV)	fL	48.9 ± 1	45.8 ± 0.9	Glucose	mg/dL	218 ± 16	228 ± 14
Mean cell hemoglobin (MCH)	pg	14.7 ± 0.4	14.3 ± 0.5	Cholesterol	mg/dL	75 ± 7	96 ± 10
Mean cell hemoglobin concentration (MCHC)	g/dL	30.1 ± 0.9	31.3 ± 1.4	LDL	mg/dL	3.9 ± 0.5	1.9 ± 0.5
Red cell distribution width (RDW)	%	17.7 ± 0.3	17.3 ± 0.5	HDL	mg/dL	55 ± 5	77 ± 8
Platelet count	10 <sup>3</sup> cells/μL	811 ± 49	881 ± 130	Triglycerides	mg/dL	154 ± 43	160 ± 33
Mean platelet volume (MPV)	fL	4.8 ± 0.1	4.8 ± 0.2	NEFA	mEq/L	1.5 ± 0.3	1.3 ± 0.1
Neutrophils	%	20.9 ± 5.2	18.3 ± 3.5	Phosphorus	mg/dL	8.7 ± 1.1	8.2 ± 1.5
	10 <sup>3</sup> cells/μL	0.7 ± 0.2	0.9 ± 0.4	T4	μg/dL	3.9 ± 0.5	4.5 ± 0.8
Lymphocytes	%	68.6 ± 6.7	72.0 ± 4.9	Total Protein	g/dL	5.1 ± 0.4	5.3 ± 0.5
	10 <sup>3</sup> cells/μL	2.3 ± 0.5	3.4 ± 0.9	Calcium	mg/dL	9.4 ± 0.3	9.6 ± 0.4
Monocytes	%	9.7 ± 2.3	8.4 ± 3.8	Sodium	mmol/L	150 ± 2	151 ± 1
	10 <sup>3</sup> cells/μL	0.31 ± 0.05	0.40 ± 0.17	Potassium	mmol/L	4.3 ± 0.2	4.7 ± 0.2
Eosinophils	%	0.6 ± 0.6	0.9 ± 0.6	Chloride	mmol/L	112 ± 1	110 ± 1
	10 <sup>3</sup> cells/μL	0.02 ± 0.02	0.04 ± 0.04	CO <sub>2</sub>	mmol/L	18.2 ± 0.6	21.1 ± 1.2
Basophils	%	0.15 ± 0.19	0.40 ± 0.39	Clinical chemistry parameters were measured in serum from submental blood collected at 8 weeks of age. Values are mean ± standard deviation of 8 females and 10 males.			
	10 <sup>3</sup> cells/μL	0.00 ± 0.01	0.02 ± 0.02				

Hematology parameters were measured in submental whole blood samples collected at 8 weeks of age. Values are mean ± standard deviation of 6 females and 9 males.

Body Composition				Organ Weights			
Parameter	Units	Females	Males	Organ	Units	Females	Males
Bone mineral density	g/cm <sup>2</sup>	0.0450 ± 0.0012	0.0452 ± 0.0012	Brain	g	0.3579 ± 0.0184	0.3658 ± 0.0208
Bone mineral content	g	0.291 ± 0.018	0.321 ± 0.01		% BW	1.88 ± 0.15	1.58 ± 0.12
Bone area	cm <sup>2</sup>	6.47 ± 0.31	7.12 ± 0.19	Spleen	g	0.0596 ± 0.0085	0.0619 ± 0.0082
Lean tissue	g	14.2 ± 3.3	17.0 ± 1.1		% BW	0.31 ± 0.03	0.27 ± 0.02
Fat tissue	g	4.1 ± 0.5	5.4 ± 0.8	Left kidney	g	0.1026 ± 0.0214	0.1432 ± 0.0157
	%	23.1 ± 4.2	23.9 ± 2.4		% BW	0.53 ± 0.09	0.62 ± 0.04
Mice were analyzed using a Lunar PIXImus DEXA scanner. Calculations of body composition exclude the head. Values represent mean ± one standard deviation of 10 mice per sex, aged 8 weeks.				Right kidney	g	0.108 ± 0.0122	0.1434 ± 0.0147
				% BW	0.56 ± 0.04	0.62 ± 0.03	
				Liver	g	0.9821 ± 0.1199	1.1432 ± 0.1273
					% BW	5.11 ± 0.37	4.91 ± 0.26
				Heart	g	0.0894 ± 0.0114	0.0997 ± 0.0107
					% BW	0.47 ± 0.04	0.43 ± 0.03

Values represent mean ± one standard deviation of 20 mice per sex, aged 8 weeks. BW: body weight.

Spleen Flow Cytometry			
Parameter	Markers	Females	Males
B Cells	B220+	60.5 ± 4.1	60.6 ± 2.0
T Cells	CD3e+	20.4 ± 2.4	19.8 ± 2.3
CD4 T Cells	CD3e+, CD4+	11.9 ± 1.5	12.3 ± 1.6
CD8 T Cells	CD3e+, CD8+	7.2 ± 0.9	6.4 ± 0.8
NK T Cells	CD3e+, CD49b+	0.16 ± 0.12	0.17 ± 0.13
NK Cells	CD3e-, B220-, CD49b+	0.53 ± 0.10	0.67 ± 0.15
Monocytes	CD11b+, SSC Low, Gr1-	0.71 ± 0.12	0.79 ± 0.13
Neutrophils (Granulocytes)	CD11b+, Gr1+	1.45 ± 0.65	1.14 ± 0.23
Eosinophils	CD11b+, SSC High	0.078 ± 0.036	0.060 ± 0.014
Dendritic Cells	CD11b+, SSC Low, CD11c+	0.16 ± 0.02	0.19 ± 0.02
Tregs	CD3e+, CD4+, CD25+	9.9 ± 1.9	10.2 ± 2.0
Plasmacytoid Dendritic Cells	CD11b+, B220+	1.22 ± 0.17	1.27 ± 0.42

All values are calculated as percent viable cells, except for Tregs that are calculated as percent CD4+ T cells. Values represent mean ± one standard deviation of 20 mice per sex, aged 8 weeks.