

Table S2. Bone marrow and spleen populations in 36 wk WT, dnRAG1, Eμ-TCL1, and DTG mice on *Cd1d*<sup>+/+</sup> or *Cd1d*<sup>del/del</sup> backgrounds

Source and Subset	WT <i>Cd1d</i> <sup>+/+</sup> (n=5)	dnRAG1 <i>Cd1d</i> <sup>+/+</sup> (n=5)	Eμ-TCL1 <i>Cd1d</i> <sup>+/+</sup> (n=5)	DTG <i>Cd1d</i> <sup>+/+</sup> (n=5)	WT <i>Cd1d</i> <sup>del/del</sup> (n=5)	dnRAG1 <i>Cd1d</i> <sup>del/del</sup> (n=6)	Eμ-TCL1 <i>Cd1d</i> <sup>del/del</sup> (n=4)	DTG <i>Cd1d</i> <sup>del/del</sup> (n=5)
<b>Bone Marrow</b>								
Total Cellularity (x10 <sup>5</sup> )	414±25	494±43	445±43	424±37	408±29	496±36	308±93*	477±44
Total Lymphocytes (x10 <sup>5</sup> )	181±20	233±27	221±22	223±25	174±14	226±18	149±45	214±19
B220 <sup>+</sup> CD43 <sup>+</sup> IgM <sup>-a</sup>	3.4±0.4	3.5±0.4	4.0±0.4	2.8±0.3	3.3±0.4	3.8±0.4	2.7±0.9	2.8±0.7
B220 <sup>+</sup> CD43 <sup>-a</sup>	39±7	52±12	57±9	49±10	36±5	52±6	24±8*	23±4*
Pre-B (IgM <sup>-</sup> IgD <sup>-</sup> ) <sup>b</sup>	19±5	31±9	34±6	24±6	16±4	28±5	14±5*	12±3
Immature (IgM <sup>+</sup> IgD <sup>-</sup> ) <sup>b</sup>	5.5±1.5	8.7±2.4	9.7±2.4	11±5	4.0±0.9	8.1±1.4	3.3±1.2	3.5±0.9*
Mature (IgM <sup>+</sup> IgD <sup>+</sup> ) <sup>b</sup>	14±1	12±1	12±2	12±3	15±1	14±1	5.3±2.3*	6.4±2.2*
<b>Spleen</b>								
Total Cellularity (x10 <sup>5</sup> )	597±60	481±80	647±82	7173±3620	507±39	661±48	2324±1242	8971±3216
Total Lymphocytes (x10 <sup>5</sup> )	356±42	299±57	392±39	5298±3053	271±33	424±30	1318±730	6153±2427
CD19 <sup>+c</sup>	127±15	140±24	155±22	4567±2963	93±20	214±25	800±575	4457±2004
B220 <sup>hi</sup> AA4.1 <sup>+</sup> CD5 <sup>-d</sup>	14±2	9.6±2.0	14±1	20±7	7.0±0.1	8.5±0.6	11±4	17±8
T1 (IgM <sup>hi</sup> CD23 <sup>-</sup> ) <sup>e</sup>	5.7±1.1	5.4±1.1	7.9±0.6	14±5	2.4±0.2	4.7±0.4	5.8±2.3	10±5
T2 (IgM <sup>hi</sup> CD23 <sup>+</sup> ) <sup>e</sup>	5.6±0.9	2.3±0.6	2.8±0.4	0.91±0.21	2.8±0.1*	1.9±0.2	1.3±0.5	1.4±0.9
T3 (IgM <sup>dim</sup> CD23 <sup>+</sup> ) <sup>e</sup>	1.6±0.2	0.9±0.2	1.1±0.2	0.31±0.07	1.2±0.2	0.79±0.07	0.55±0.13	0.53±0.44
B220 <sup>hi</sup> AA4.1 <sup>-</sup> CD5 <sup>-d</sup>	107±13	100±17	117±19	1485±878	83±20	148±17	540±367	1177±419
MZ (CD21 <sup>hi</sup> CD23 <sup>-</sup> ) <sup>f</sup>	6.2±0.6	5.1±1.2	2.5±1.5	6.8±5.9	5.1±0.8	9.8±2.2	1.1±0.4	1.2±0.7
FM (CD21 <sup>int</sup> CD23 <sup>int</sup> ) <sup>f</sup>	91±10	75±10	91±16	576±389	68±17	104±13	308±209	273±152
CD5 <sup>+d</sup>	10±1	75±16	86±19	4439±2953	7.1±1.0	133±23	730±558	4256±1978
B220 <sup>-</sup> CD3 <sup>+c</sup>	135±18	90±22	126±19	156±28	105±14	120±9	182±41	430±125*
CD4 <sup>+g</sup>	74±10	50±12	63±8	77±11	57±7	63±5	84±20	119±20*
CD8 <sup>+g</sup>	48±7	31±8	49±9	51±12	37±7	46±4	66±10	239±115*
Total CD1d-tet <sup>+g</sup>	2.6±0.5	2.0±0.4	2.1±0.5	4.6±1.2	0.060±0.017*	0.051±0.019*	0.035±0.014*	0.11±0.04*
NK1.1 <sup>+</sup> CD1d-tet <sup>+h</sup>	1.5±0.8	1.0±0.2	0.96±0.24	2.7±0.7	0.020±0.005*	0.018±0.004*	0.014±0.006*	0.035±0.016*
NK1.1 <sup>-</sup> CD1d-tet <sup>+h</sup>	1.1±0.2	0.95±0.21	1.1±0.2	2.0±0.7	0.040±0.013*	0.033±0.015*	0.021±0.010*	0.076±0.029*

<sup>a</sup> Total cells (x 10<sup>5</sup>) calculated from Ly6C<sup>-</sup>DX5<sup>-</sup>CD4<sup>-</sup> cells within a lymphocyte gate.

<sup>b</sup> Total cells (x 10<sup>5</sup>) calculated from gated B220<sup>+</sup>CD43<sup>-</sup> cells.

<sup>c</sup> Total cells (x 10<sup>5</sup>) calculated from gated lymphocytes.

<sup>d</sup> Total cells (x 10<sup>5</sup>) calculated from gated CD19<sup>+</sup> cells.

<sup>e</sup> Total cells (x 10<sup>5</sup>) calculated from gated B220<sup>hi</sup>AA4.1<sup>+</sup>CD5<sup>-</sup> cells.

<sup>f</sup> Total cells (x 10<sup>5</sup>) calculated from gated B220<sup>hi</sup>AA4.1<sup>-</sup>CD5<sup>-</sup> cells

<sup>g</sup> Total cells (x 10<sup>5</sup>) calculated from gated B220<sup>-</sup>CD3<sup>+</sup> lymphocytes.

<sup>h</sup> Total cells (x 10<sup>5</sup>) calculated from gated CD1d-tet<sup>+</sup> lymphocytes.

\* *p* < 0.05 compared to similar *Cd1d*<sup>+/+</sup> counterpart (e.g. dnRAG1 *Cd1d*<sup>del/del</sup> vs dnRAG1 *Cd1d*<sup>+/+</sup>).