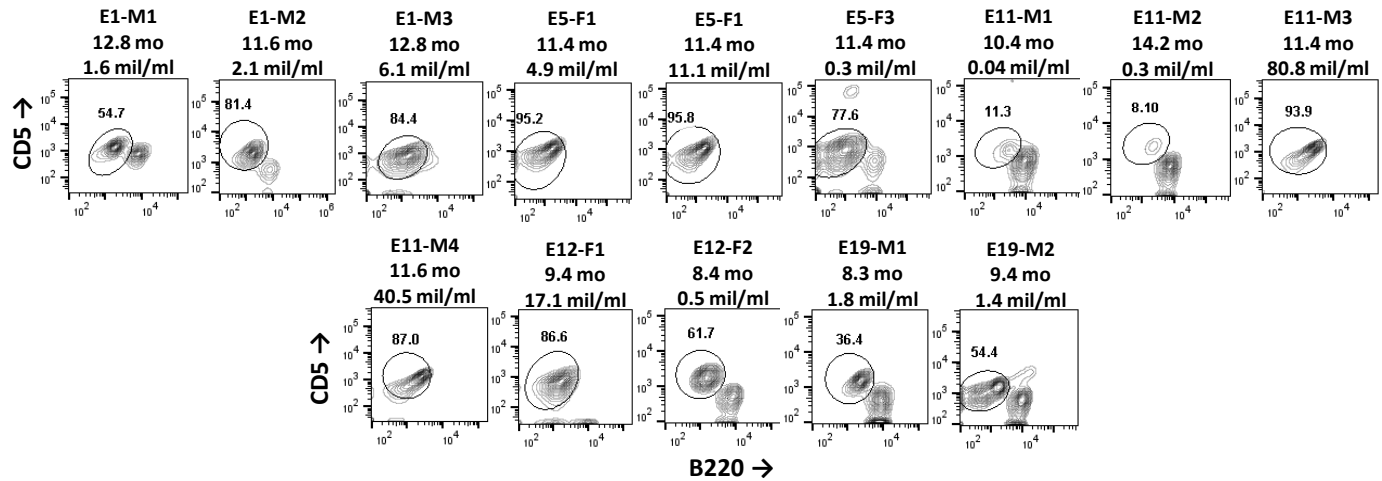
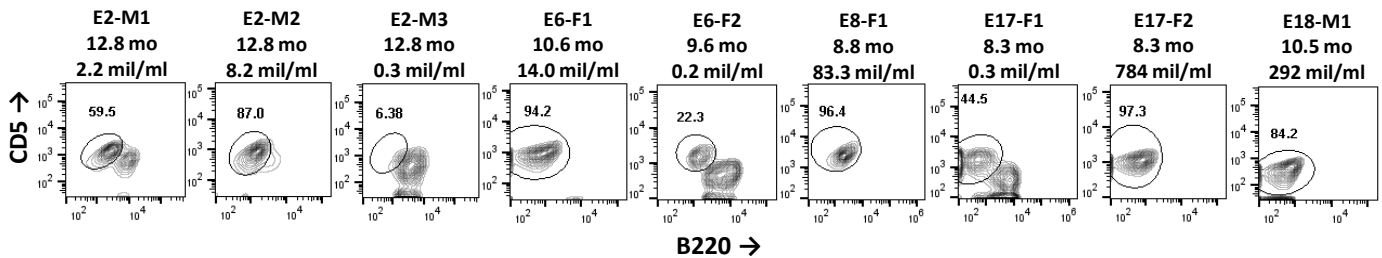


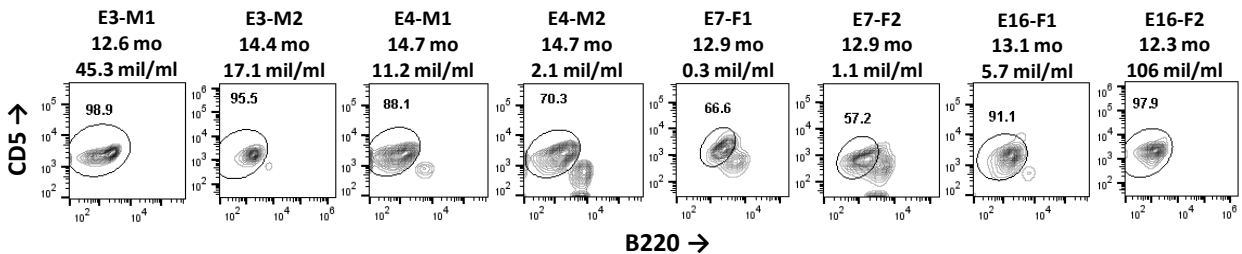
A PBS cohort



B SILV cohort

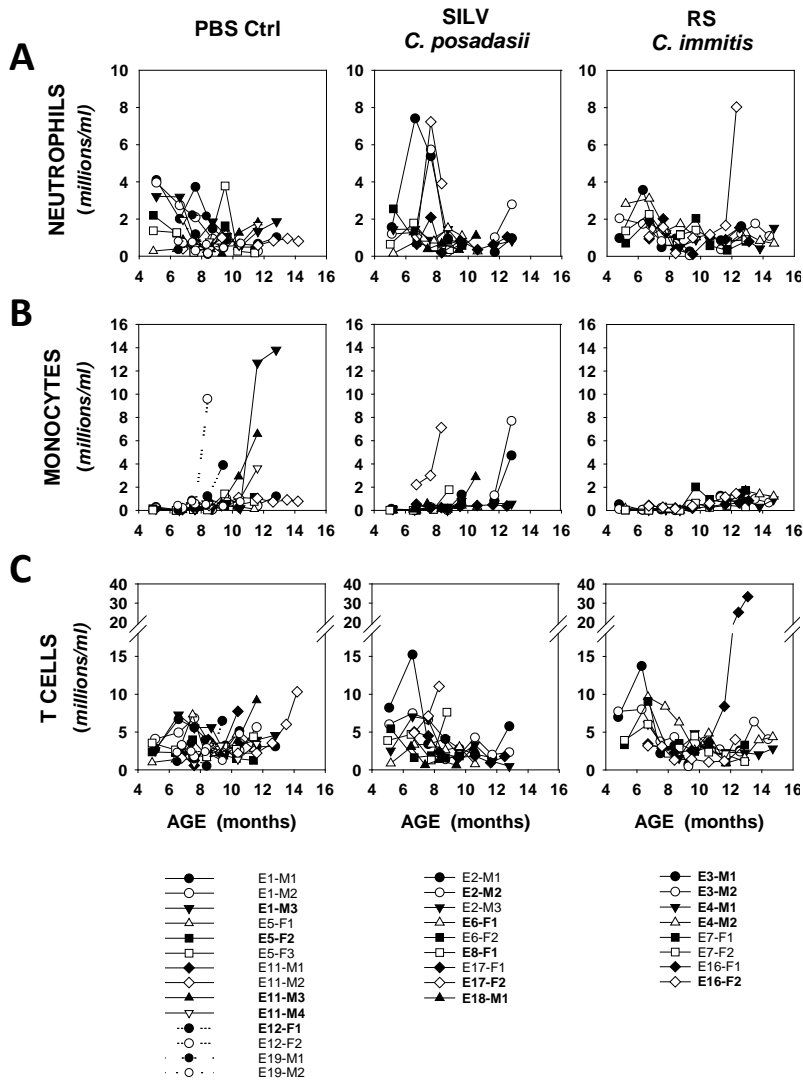


C RS cohort



Supplementary Figure 1

CD5⁺/B220^{lo} B cells within total B cells in last blood sample obtained from individual mice. Contour plots show CD5 and B220 levels within total gated CD45⁺/CD19⁺ B cells. Inserted numbers next to gated cells represent the % of total B cells within B-CLL gate (CD5⁺/B220^{lo}). Above each plot is shown mouse ID, age of last blood sampling, and frequency of CD5⁺/B220^{lo} B cells (million/ml). Blood samples were taken just prior to survival endpoint, except for E11-M2 (PBS cohort) and E3-M2, E4-M1 and E4-M2 (RS cohort) in which mice were euthanized at experiment termination (no clinical survival endpoint reached). We suspect differences in CD5 and B220 staining intensity between cell samples largely reflect: (a) differences in the number of cells present in the staining well that may have resulted in sub-saturating Ab in cases of high B-CLL count and (b) differences in the time of 4°C storage after sample staining and fixation (particularly relevant for samples E17-F1, E18-M1, and E19-M2). All the above samples, together with routinely stained fluorescence calibration beads, were run at the same flow cytometer settings.



D

NEUTROPHIL frequency over lifetime

Cohort	Mean	SD	Median	Range
PBS	1.09	0.94	0.74	3.99
SILV	1.42	1.65	0.86	7.26
RS	1.26	1.10	1.01	7.98

MONOCYTE frequency over lifetime

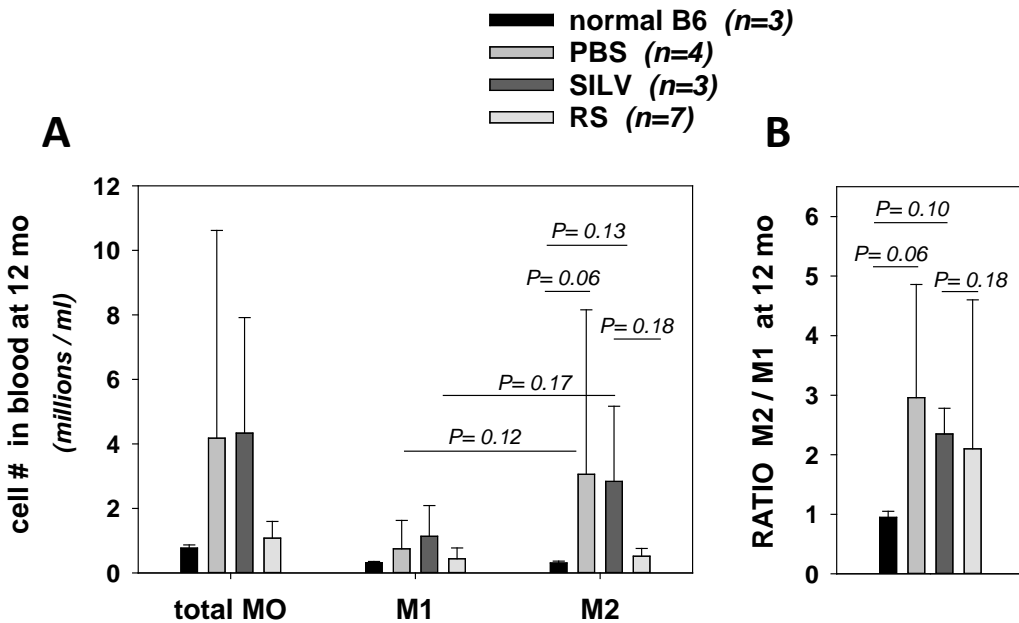
Cohort	Mean	SD	Median	Range
PBS	1.32	2.39	0.58	11.32
SILV	1.28	1.85	0.47	8.23
RS	0.65	0.46	0.52	1.94

T CELL frequency over lifetime

Cohort	Mean	SD	Median	Range
PBS	3.36	1.92	3.07	9.80
SILV	3.63	2.83	2.88	14.74
RS	4.50	5.03	3.18	32.92

Supplementary Figure 2

Blood levels of neutrophils, monocytes, and T cells over lifespan of control- and *Coccidioides*-exposed *TCL1-Tg* mice. Frequency (millions/ml) of non-B cell leukocyte populations, (A) neutrophils, (B) monocytes, and (C) T cells, plotted as a function of age. Legend below each graph provides mouse identification codes (those in bold reflect mice with a B-CLL diagnosis). (D) Descriptive statistics for average neutrophil, monocyte, and T cell frequency within cohorts of mice over their lifetimes. No statistically significant differences between cohorts were noted by Kruskal-Wallis One Way Analysis of Variance on Ranks.



Supplementary Figure 3

Comparison of non-transgenic and hTCL1-transgenic C57BL/6 mice for blood frequency of total monocytes, M1 cells and M2 cells at 12 months of age. (A) Bar graphs representing the frequencies of total monocytes (mean \pm SD) within 12 mo old normal C57BL/6 mice and similarly aged mice from this study's experimental cohorts (note: mice were all housed under similar conditions). For statistical analysis, pairwise comparisons were made using 2-sided, unpaired T-test for parametric data or Mann-Whitney Rank Sum test for non-parametric data. P values of < 0.2 are shown. (B) Bar graph displaying M2/M1 ratios (mean \pm SD) within blood from the above mouse cohorts.