Supplementary Figures

**Figure S1.** T cell differentiation is maintained following short-term ascorbate withdrawal in GULO\(^{-}\) pups and adult mice.

(A) Representative CD4/CD8 thymus profiles from 14-day old GULO\(^{-}\)/VitC\(^{high}\) and GULO\(^{-}\)/VitC\(^{low}\) mice are shown (left). Total thymocyte numbers were quantified and means ± SEM are presented (right, n=4 mice per group).

(B) CD4 CD8 CD3\(^{-}\) double negative (DN), CD4 CD8\(^{+}\)CD3\(^{-}\) immature single positive (ISP), CD4\(^{+}\)CD8\(^{-}\) double positive (DP), CD4\(^{+}\)CD3\(^{-}\) single positive (SP4), CD8\(^{+}\)CD3\(^{-}\) single positive (SP8) and γδ thymocytes were quantified in thymi from 14-day old GULO\(^{-}\)/VitC\(^{high}\) and GULO\(^{-}\)/VitC\(^{low}\) mice and means ± SEM are presented. (C) Representative CD4/CD8 contour plots within the CD3\(^{+}\) gate are shown (top) and CD4\(^{+}\) and CD8\(^{+}\) T cell numbers were quantified in spleens of pups (left) and adult GULO\(^{-}\)/VitC\(^{high}\) and GULO\(^{-}\)/VitC\(^{low}\) mice (bottom). (D) CD3\(^{+}\) T cells, as well as CD4\(^{+}\) and CD8\(^{+}\) subsets, were quantified in spleens of 28 day old GULO\(^{-}\) mice maintained under VitC-high, VitC-low, and rescue conditions (n=5 mice per group). Means ± SEM are presented. Statistical analyses were performed using an unpaired two-tailed t-test for panels A-C and a one-way ANOVA (Tukey’s test) for panel D. *p<0.05; ns, not significant.
Figure S2. Splenic B cells are maintained in GULO<sup>−/−</sup> pups.  
(A) Representative contour plots of c-kit<sup>+</sup>CD19<sup>+</sup> Pro-B and CD19<sup>+</sup> BM B cells in pups (left) and adult (right) GULO<sup>−/−</sup> mice corresponding to data presented in Figure 4A.  
(B) The numbers of splenic CD19<sup>+</sup> B cells in the indicated groups are presented as means ± SEM and representative contour plots are shown (n=10-12 mice per group).  
Statistical analyses were performed using an unpaired two-tailed t-test. *p<0.05; ns, not significant.