



Figure S1: Flow cytometric analysis of the spleen cells isolated from NZB mice at different ages. **A:** Representative flow cytometric dot-plots show the distribution of cells based on their anti-B220 staining and FSC parameters. The numbers in the plots show the percentages of B220^{high} and B220^{low} cells, respectively. **B:** Representative contour plots show the distribution of cells based on their anti-IgD and anti-IgM staining. The numbers in the plots show the percentages of follicular (IgD^{high}IgM^{low}) and non-follicular (B1- and MZ B cells, IgD^{low}IgM^{high}) B cells indicated with green and dark blue colors, respectively. **C:** Representative dot plots show the distribution of cells based on their anti-CD5 and anti-CD43 staining. The numbers in the plots show the percentages of B1a (IgM^{high}CD43⁺CD5⁺, upper right quadrant) and B1b cells (IgM^{high}CD43⁺CD5⁻, lower right quadrant),

respectively. **D:** Representative contour plots show the distribution of cells based on their anti-CD138 and anti-B220 staining. The numbers in the plots show the percentages of plasmacells (B220^{low}CD138⁺). **E:** Representative contour plots show the distribution of B220^{low} cells (see panels **A**) based on their anti-CD38 and anti-CD73 staining. The numbers in the plots show the percentages of memory B cells (CD38⁺CD73⁺).