Haasken et al.

Macrophage scavenger receptor 1 (Msr1, SR-A) influences B cell autoimmunity by regulating soluble autoantigen concentration

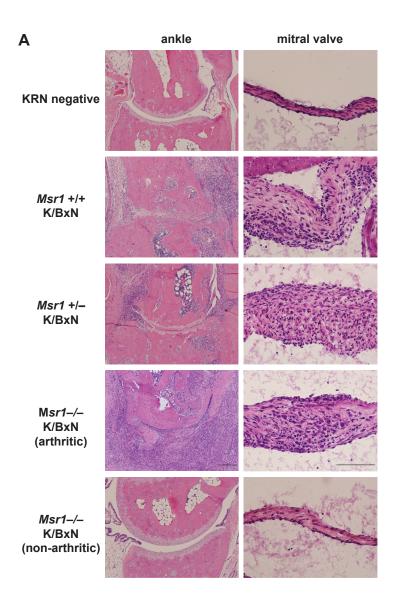
Supplemental Figure 2: *Msr1*-sufficient host environment permits *Msr1*-deficient K/BxN hematopoietic compartment to drive arthritis and B cell activation

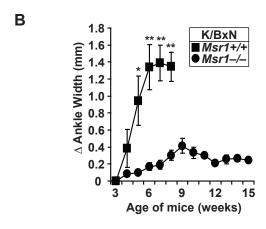
Rag1–/– recipient mice were sublethally irradiated (300 Rad) and transplanted with 10x10⁶ bone marrow cells from *Msr1+/+* K/BxN mice or *Msr1–/-* K/BxN mice as indicated. (**A**) The development of arthritis in both groups was determined by weekly arthritis scoring and ankle measurements. Values shown are means +/- SEM. n= 3 mice/group. (**B**) B cells in the reconstituted mice were analyzed for their ability to bind to GPI-tetramer, for having undergone isotype switching express IgG1 intracellularly, and transitioning to a CD38^{low} GL7⁺ activated

phenotype. Numbers indicate the percentage of cells in each quadrant or gate. (**C**)

Representative flow cytometric plot of CD3⁻F4/80⁺ macrophages in the reconstituted mice analyzed for expression of the congenic markers differentiating the donor cells (CD45.1⁺ CD45.2⁺) from the host cells (CD45.1⁻ CD45.2⁺). The numbers shown are percentages. In analysis of multiple mice, the percent of macrophages that were host-derived ranged from 38-63%. (**D**) Similar analysis for CD3⁺ T cells and B220⁺ B cells reveals that they are entirely donor-derived.

Haasken et al. Supplemental Figure 1





Haasken et al. Supplmental Figure 2

