

Figure S1. Characterization of RNA ICs. **A-B.** AM14 B cells were stimulated with BWR4 plus the indicated RNA in the presence (A) or absence (B) of IFN- β . Proliferation was quantified by [3 H]thymidine incorporation and plotted as the fold change of the BWR4 alone value. **C.** AM14 B cells were stimulated with 300ng/ml of Alu1-bio RNA with the indicated concentration of 1D4. Proliferation was quantified by [3 H]thymidine incorporation and plotted as the percent of the response to CpG-B. Average \pm SEM is shown, n=3.

Figure S2. Fab-ICs retain TLR7 dependence in AM14 B cells. A-C, AM14 Δ , or TLR7 KO \square B cells were stimulated with the indicated Fab ICs. Proliferation was quantified by [3 H]thymidine incorporation and plotted as the percent of the response to CpG-B. Average \pm SEM is shown, n=4