Supplementary Figures

Neu-medullocytes, sialidase-positive B cells in the thymus, express autoimmune regulator (AIRE)

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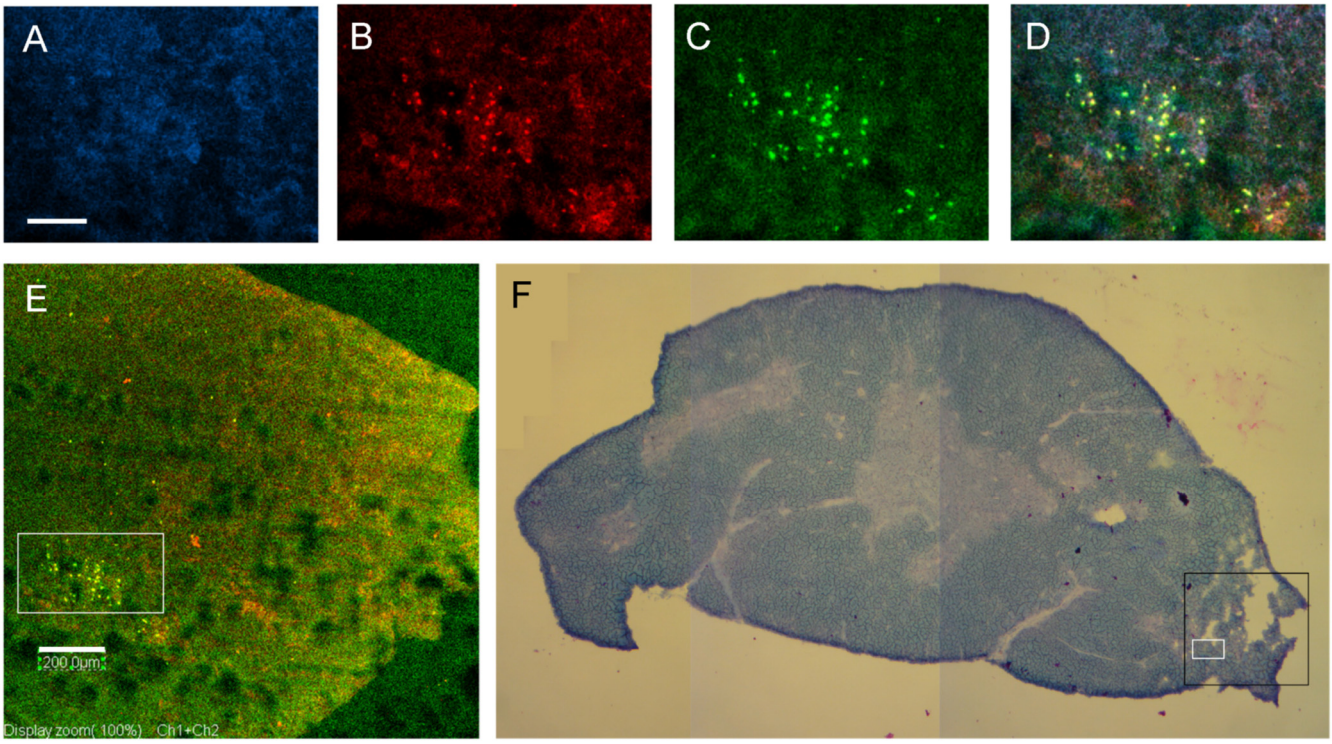
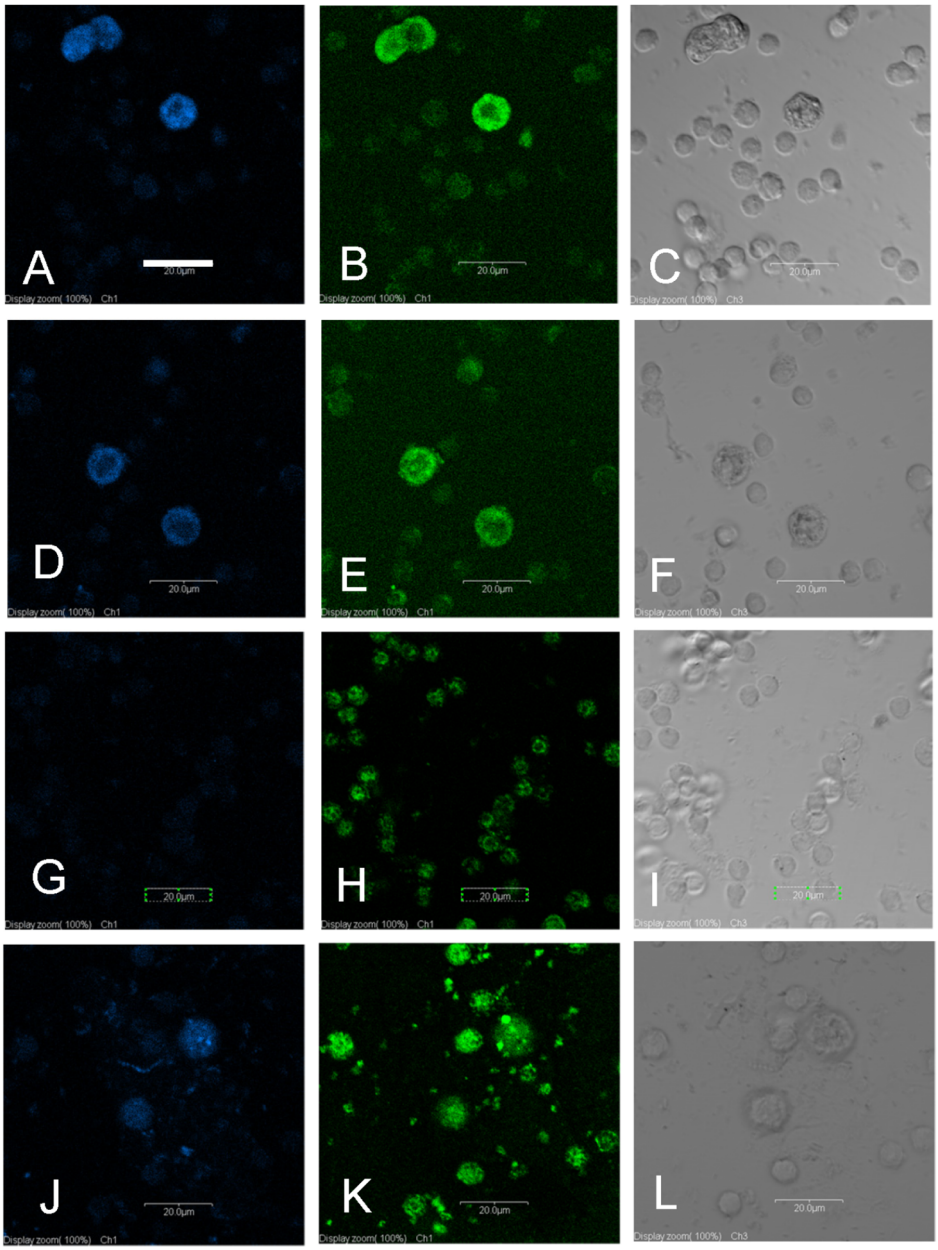
Supplementary Figure S1

Supplementary Figure S2



Supplementary Figure S1. IgG-positive cells in the thymus.
Thymus sections from an AKR mouse (4W, male) were stained with fluorescein-labeled antibodies and X-NANA and observed, X-NANA (**A**), R.R.-anti-mouse IgG (**B**), FITC-MHC class II (**C**) and merged (**D**). **E**, merged image of R.R.-anti-mouse IgG and FITC-MHC class II at lower magnification. **F**, Giemsa stained section, the black open square in F corresponds to the area of E. The white open square in E and F corresponds to the area of A-D. Scale bar in A is 100 μm for A-D. Scale bar in E is 200 μm.



Supplementary Figure S2. The shapes of sialidase positive cells in enzyme treated fractions.

Cells were prepared from the thymuses of C57BL/6 (male, 6W) by enzyme treatment as described in the Methods section. The cells from the T (total thymocyte) or E (E1+E2) fraction were stained with X-NANA and FITC-anti-mouse IgG or with the FITC-anti-Aire system, and were observed as follows. **A-C**: T fraction, stained with X-NANA (**A**); anti-mouse IgG (**B**); or DIC (**C**). **D-F**: E fraction, stained with X-NANA (**D**); anti-mouse IgG (**E**); or DIC (**F**). **G-I**: T fraction, stained with X-NANA (**G**); FITC-anti-AIRE (**H**); or DIC (**I**). **J-L**: E fraction, stained with X-NANA (**J**); FITC-anti-AIRE (**K**); or DIC (**L**). Scale bars in A is 20 μm for all images.