

Figure S1: Schematic for single cell cloning of donor MHC-II specific B cells and expression of BCRs as recombinant mlgG1.

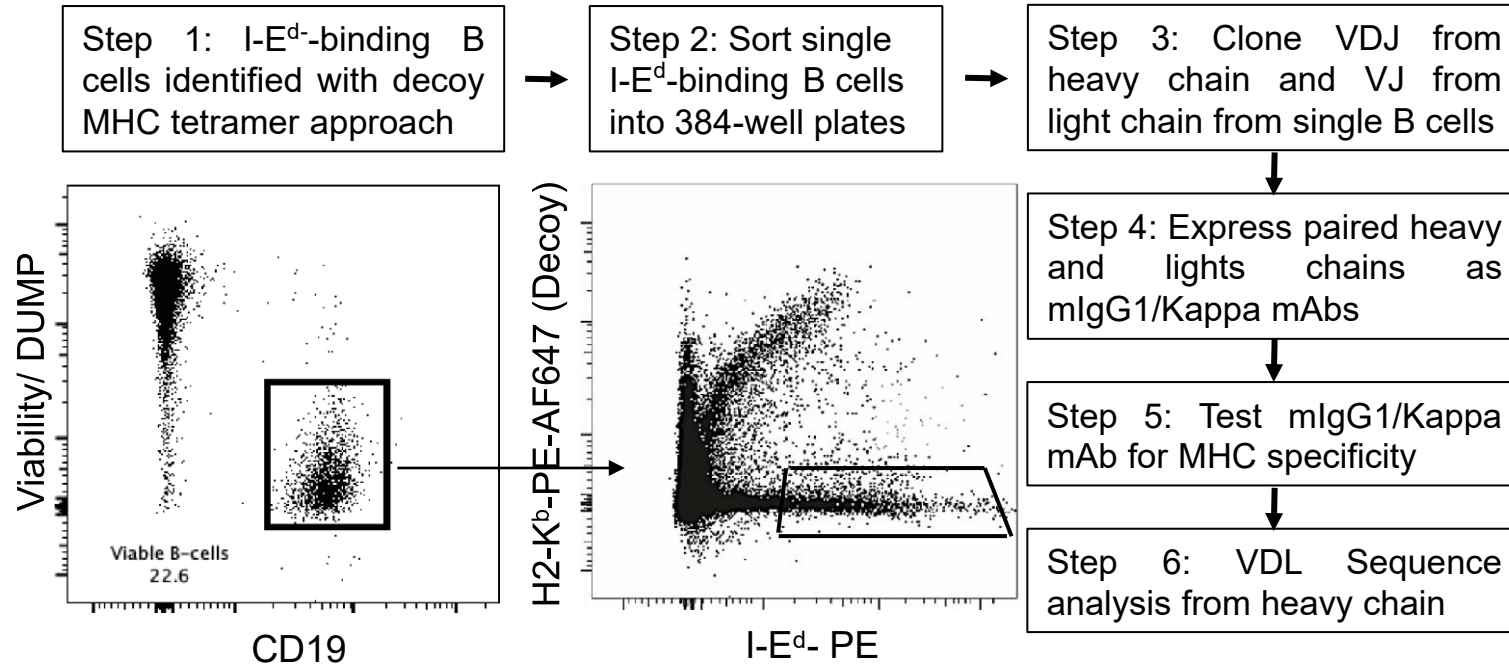
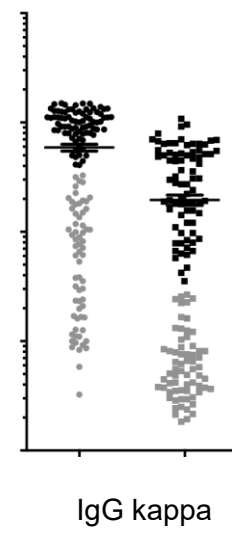
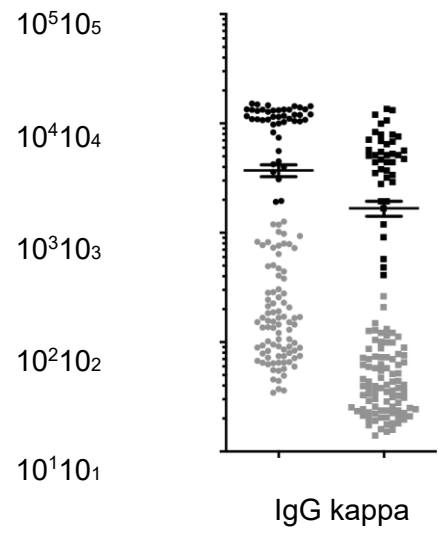
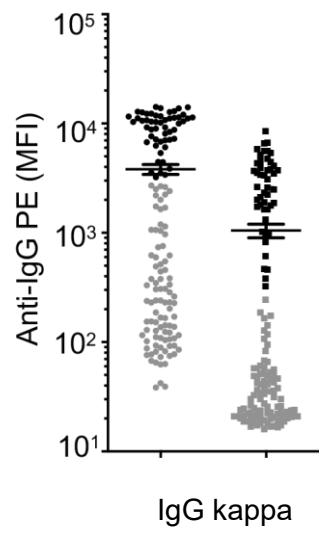


Figure S2: (A-C) Relative concentrations of IgG and Kappa in the culture supernatants of single BCR clones presented as MFI of the detection PE anti-mouse IgG. Each symbol represents one rlgG1 from naïve, tolerant or acute rejection mice. (D-E) Relative MFI of supernatants with high kappa concentrations binding to beads coated with donor I-E^d or I-A^d, or self I-A^b antigen.

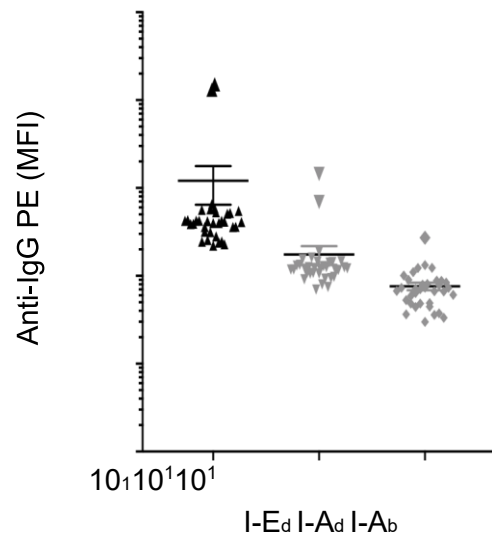
A. Naïve

B. Tolerant

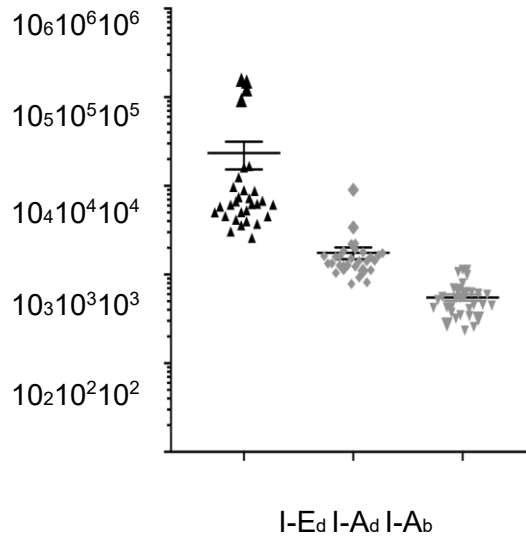
C. Rejection



D. Naïve



E. Tolerant



F. Rejection

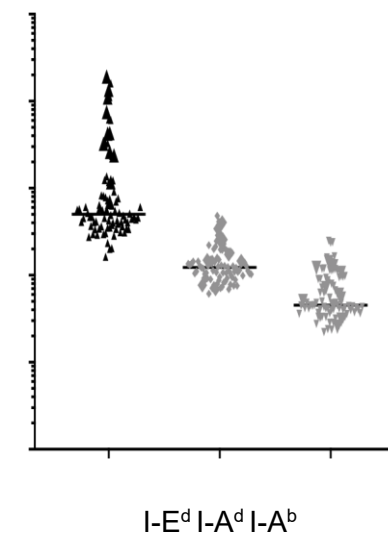


Figure S3: (A,B) Representative dilution series to determine K_D50 for high and low avidity clones selected based on N-MFI.

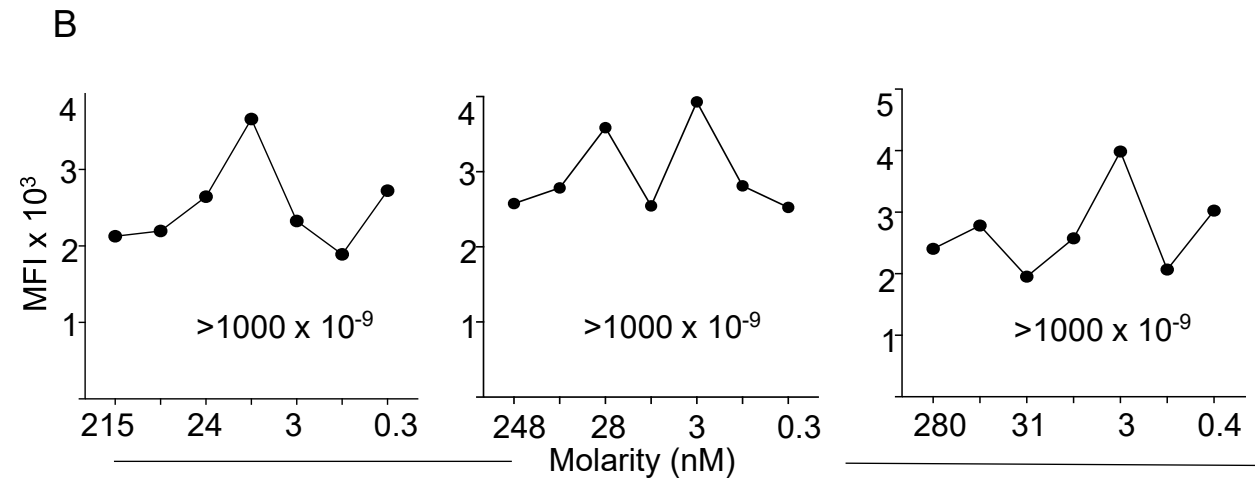
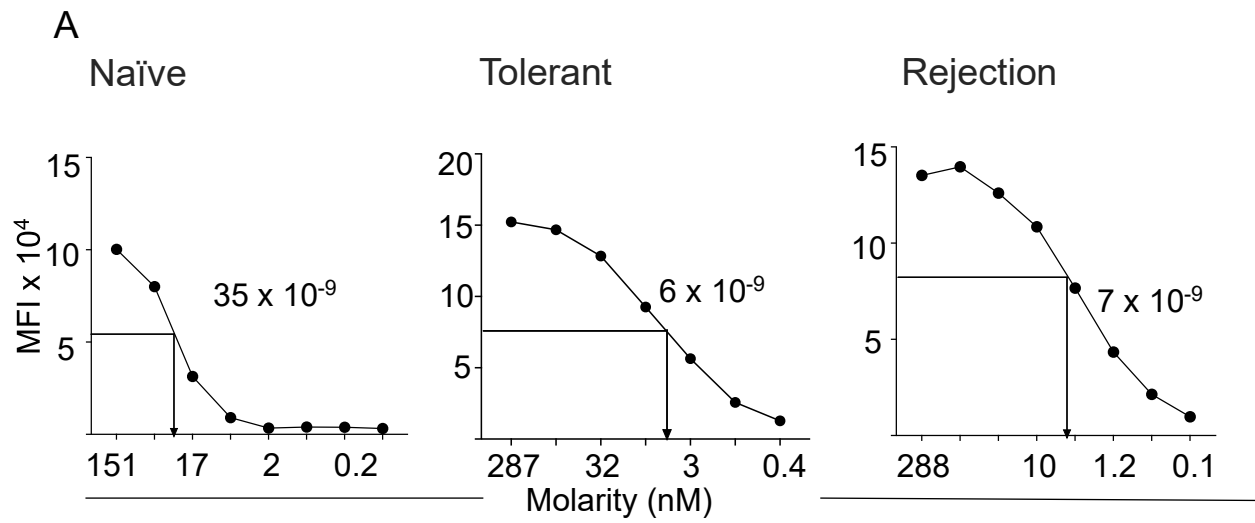


Figure S4: BCR avidity in naïve, tolerant, and acute rejection determined by SPR. (A-D) Sample SPR plots illustrating high and low avidity rIgG1

A.

B.

