



Fig. S9 *Ercc6l2^{D270N}* mouse model. **a** Construction strategy of *Ercc6l2^{D270N}* mouse model. Sequencing chromatograms are showed for *Ercc6l2* Exon 5 in WT and *Ercc6l2^{D270N}* mouse. **b** Size of *Ercc6l2^{D270N}* spleen is comparable to the WT spleen (upper), and the splenic B cell ratio are not affected in *Ercc6l2^{D270N}* mice (lower). Three pairs of *Ercc6l2^{D270N}* and WT mice are tested, and no significant difference was identified. **c** CSR levels to IgG3 in CSR-activated WT and *Ercc6l2^{D270N}* B cells at Day 4 upon LPS stimulation. Data are summarized as mean \pm SD in Panels (b) and (c). Two-tail unpaired *t*-test was performed. **: $p < 0.01$, ns: $p > 0.05$.