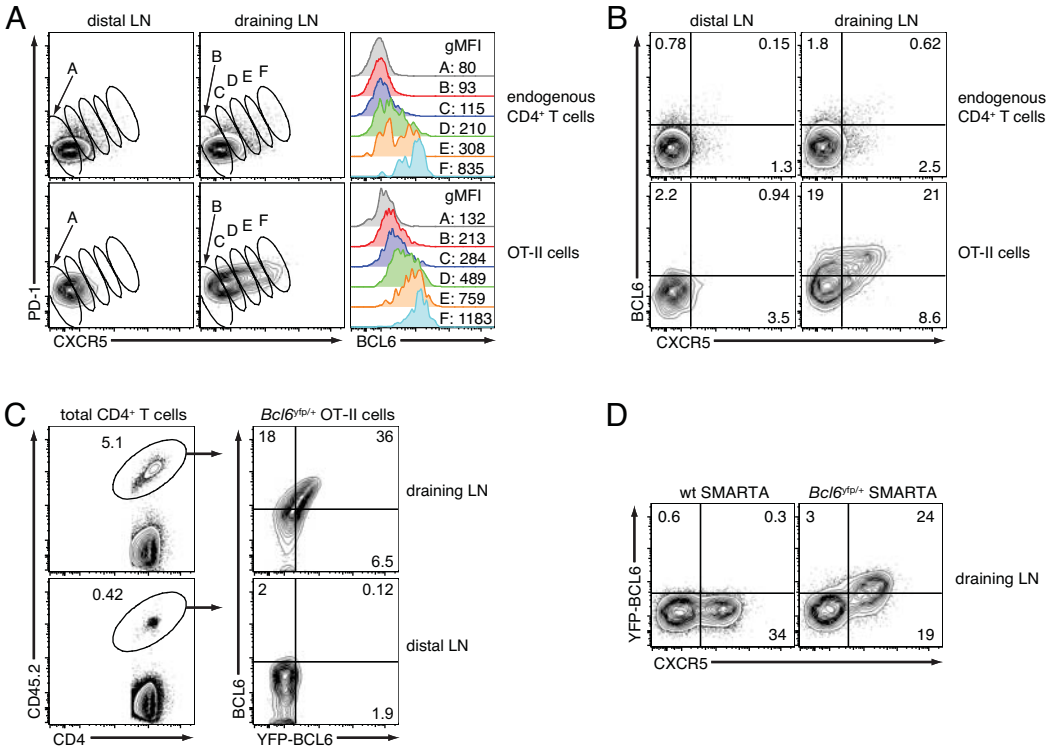
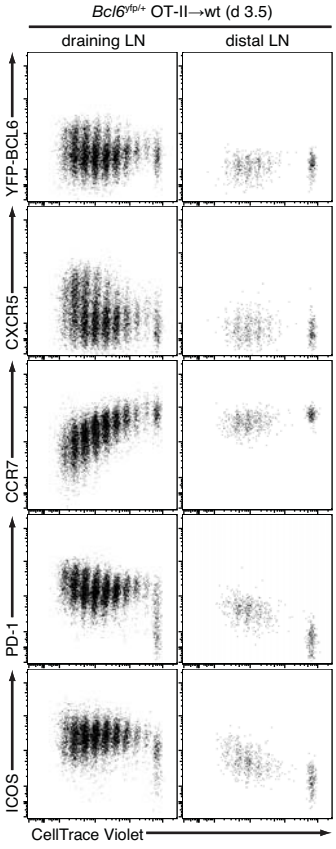
Baumjohann et al. Supplementary Figure 1



Supplementary Figure 1. BCL6 expression positively correlates with the T_{FH} cell phenotype.
(A) Low numbers of OVA-specific OT-II cells ($5x10^4$) were adoptively transferred into wt recipients, followed by s.c. immunization with NP_{16}-OVA/alum in the foot pads. Draining (popliteal) and distal (axillary + brachial) LNs were dissected on day 3.5 after immunization and analyzed by FACS. Data shown is the same as described in Figure 1. Gates were drawn according to increasing T_{FH} cell phenotype ($CXCR5^{high}PD\text{-}1^{high}$) of the indicated cell types and the BCL6 gMFI for each population is displayed in the histograms. **(B)** Correlation between CXCR5 and BCL6 expression in endogenous $CD4^+$ and transferred OT-II cells from (A). **(C)** Naive *Bcl6*$^{yfp/+}$ OT-II cells ($1x10^5$) were transferred into congenic wt recipients followed by s.c. immunization with NP_{16}-OVA/alum in the foot pads. Draining (popliteal) and distal (brachial) LNs were dissected on day 6 after immunization and OT-II cells ($CD4^+CD45.2^+$) were analyzed for BCL6 expression using a combination of intracellular BCL6 staining and YFP-BCL6 fusion protein expression. Gated on live $CD4^+CD19^-$ singlet cells. **(D)** LCMV-specific SMARTA $CD4^+$ T cells ($5x10^5$) from wt or *Bcl6*$^{yfp/+}$ reporter mice were adoptively transferred into wt recipients, followed by s.c. infection with LCMV in the foot pads. Draining LNs were dissected 4.5 days later and analyzed by FACS. Plots shown are representative of two mice analyzed per condition.



Supplementary Figure 2. T_{FH} phenotype kinetics of *Bcl6*$^{yfp/+}$ OT-II cells. CellTrace Violet-labeled OT-II cells (1x10^6) from *Bcl6*$^{yfp/+}$ reporter mice were adoptively transferred into congenic wt recipients, followed by s.c. immunization with NP_{16}-OVA/alum in the foot pads. Draining (popliteal) and distal (axillary + brachial) LNs were dissected 3.5 days later and analyzed by FACS. Dot plots display BCL6, CXCR5, CCR7, PD-1, and ICOS expression on OT-II cells in relation to CellTrace dilution in draining and distal LNs. Data shown is from one mouse out of two that were analyzed in Figure 2E.