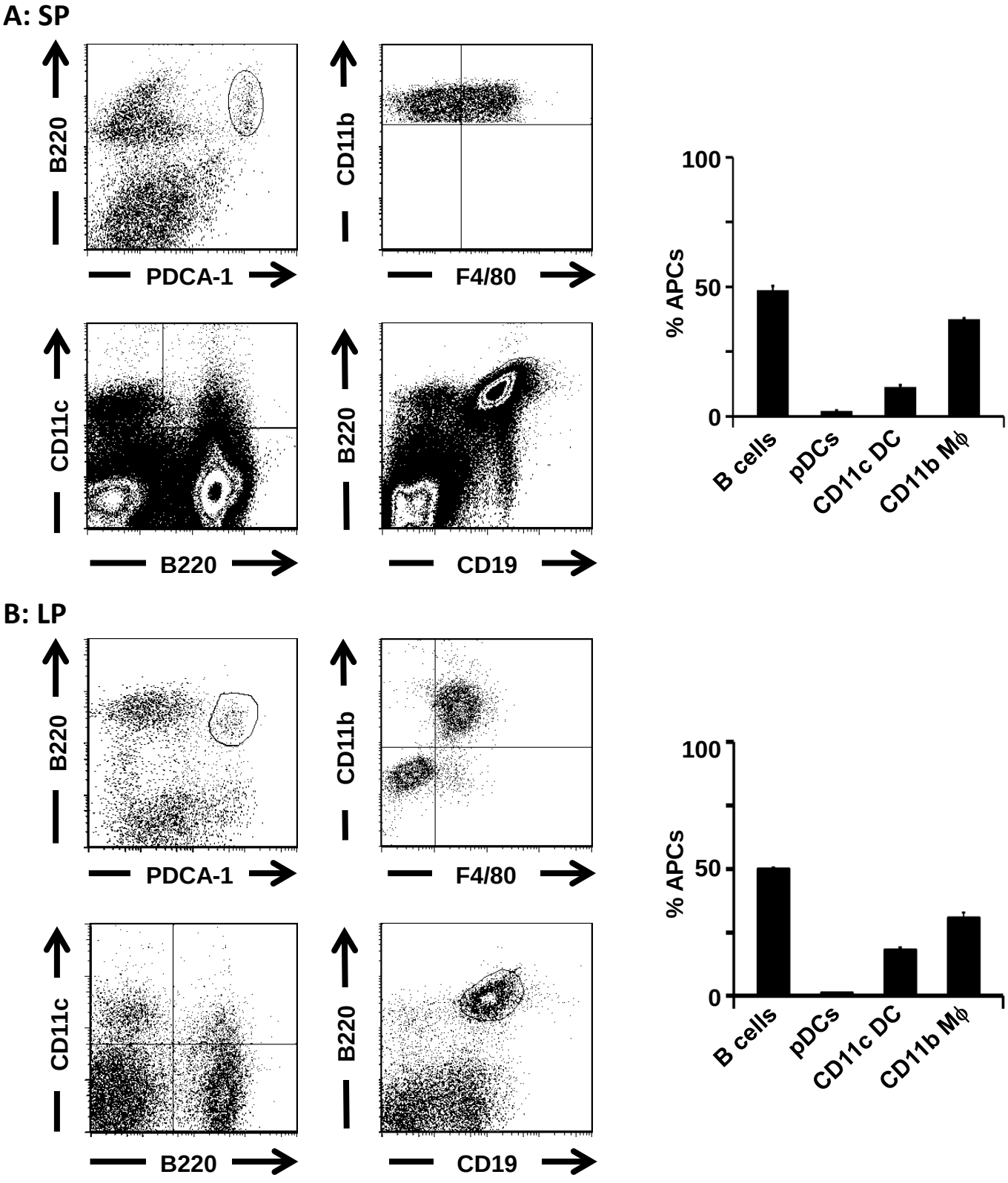
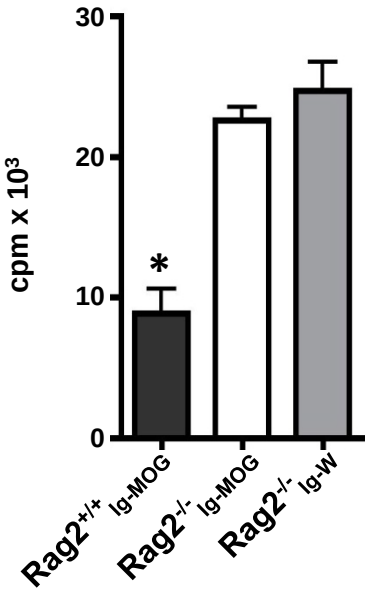
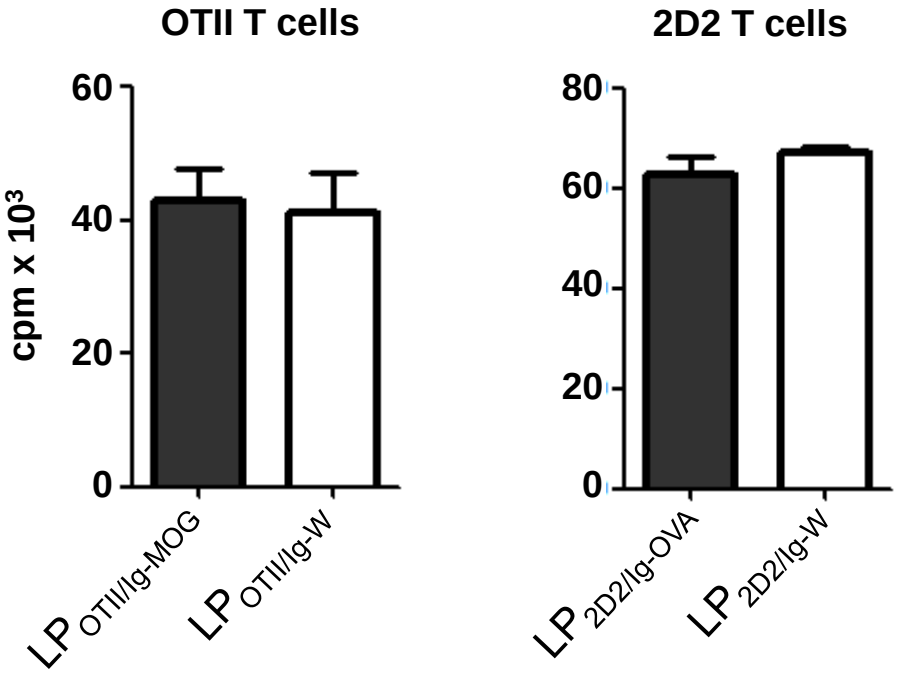
Cascio, et al. Figure S1



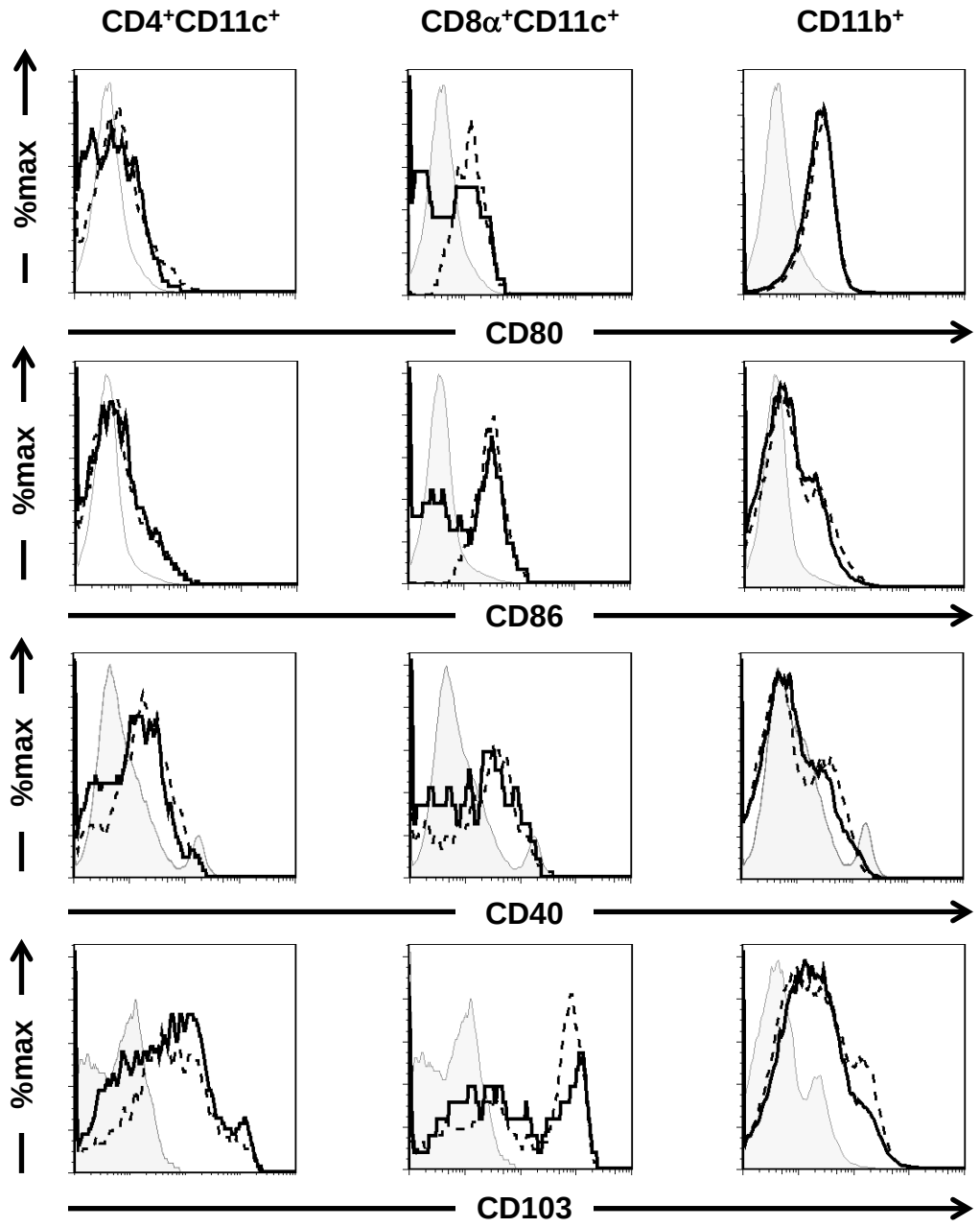
Cascio, et al. Figure S2



Cascio, et al. Figure S3



Cascio, et al. Figure S4



LP-Rag2$^{-/-}$

LP-Rag2$^{+/+}$

SUPPLEMENTAL FIGURE LEGENDS

Figure S1. Bulk APCs from the SP and LP contain similar percentages of professional APC subsets. Bulk SP **(A)** and LP **(B)** APCs were harvested from C57BL/6 mice and stained with Abs to B220, CD19, PDCA-1, CD11b, CD11c, and F4/80 and analyzed by flow cytometry. The plots show a representative gating of the different APCs subsets. The bar graphs show the mean percentage ± SE of B cells ($B220^+CD19^+$), pDC ($CD11c^+B220^+pDCA\text{-}1^+$), conventional DC ($CD11c^+B220^-pDCA\text{-}1^-$) and macrophages ($CD11b^+CD11c^-F4/80^+$) among total APCs from three independent experiments.

Figure S2. Both antigen and T cells are required for lamina propria APCs to acquire tolerogenic function. Proliferative responses of 2D2 T cells were measured upon stimulation by MOG peptide-loaded LP APCs harvested from $Rag2^{+/+}$ and $Rag2^{-/-}$ C57BL/6 mice recipient of agg Ig-MOG + STI or agg Ig-W + STI. Data represents three independent experiments. *$p < 0.003$.

Figure S3. Peptide carryover from orally fed Ig chimeras does not block MHC class II molecules of LP APCs. OT-II and 2D2 TCR transgenic mice were given oral agg Ig-OVA, agg Ig-MOG, or agg Ig-W along with STI and their LP were tested for presentation of unmatched peptide. The left panel shows proliferative responses of OVA-specific OTII T cells stimulated with OVA peptide presented by $LP_{OTII/Ig\text{-}MOG}$ or $LP_{OTII/Ig\text{-}W}$. The right panel shows proliferative responses of MOG-specific 2D2 T cells stimulated with MOG peptide presented by $LP_{2D2/Ig\text{-}OVA}$ or $LP_{2D2/Ig\text{-}W}$.

Figure S4. In vivo exposure to oral Ig-MOG does not affect the expression of common co-stimulatory molecules on lamina propria APCs. LP APCs were harvested from $Rag2^{+/+}$ and $Rag2^{-/-}$ C57BL/6 mice recipient of agg Ig-MOG + STI and the expression of co-stimulatory molecules was analyzed on specific subsets by flow cytometry. Representative histograms from at least three independent experiments are shown in comparison to isotype matched control (shaded).