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Supplemental information

Quantitative increase in T regulatory cells

enhances bone remodeling

in *osteogenesis imperfecta*

In-Hong Kang, Uday K. Baliga, Shilpak Chatterjee, Paramita Chakraborty, Seungho Choi, Nathan Buchweitz, Hong Li, Yongren Wu, Hai Yao, Shikhar Mehrotra, and Meenal Mehrotra

Figure S1

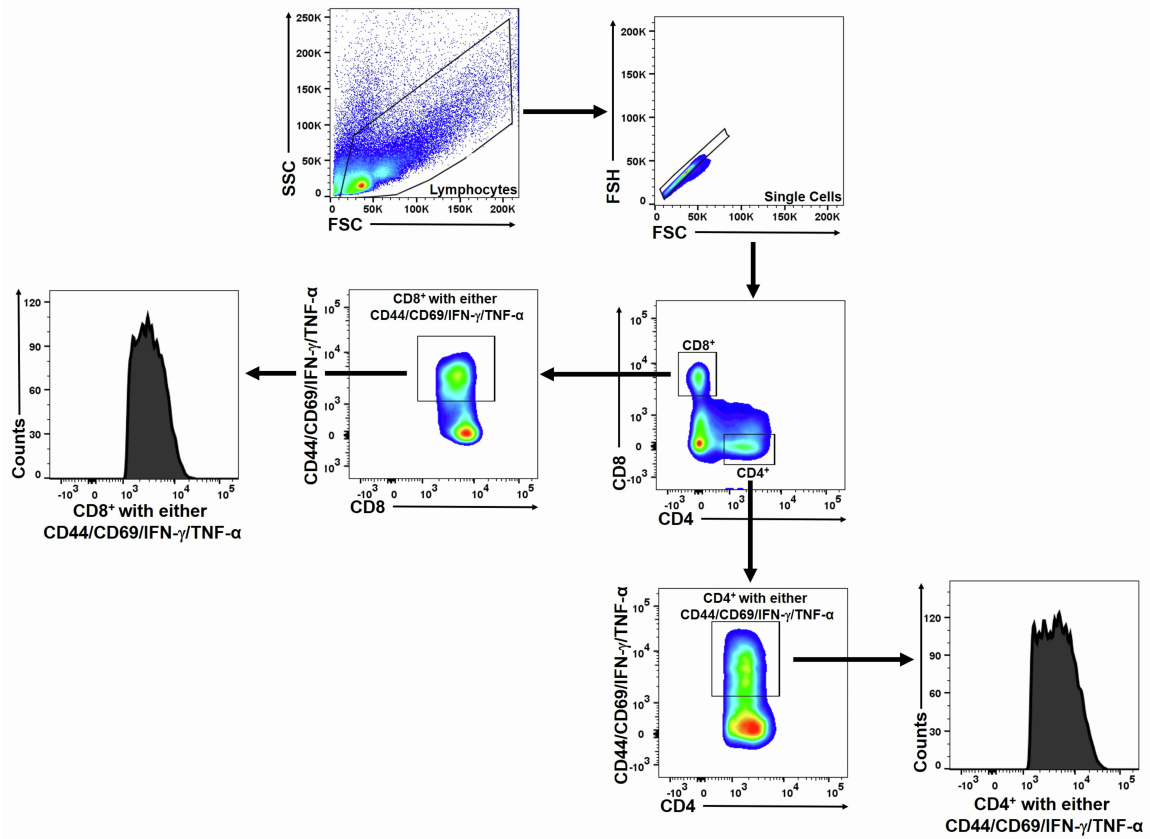


Figure S2

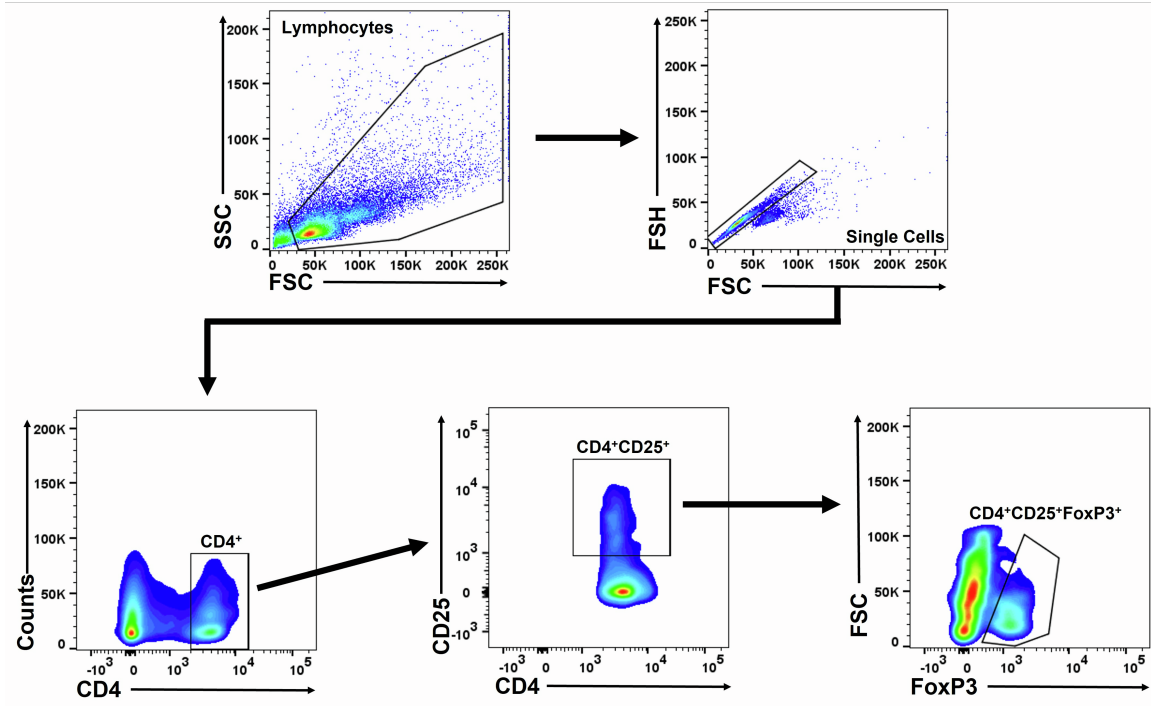
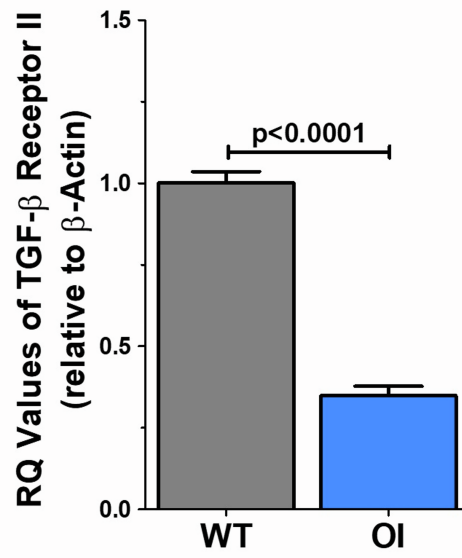
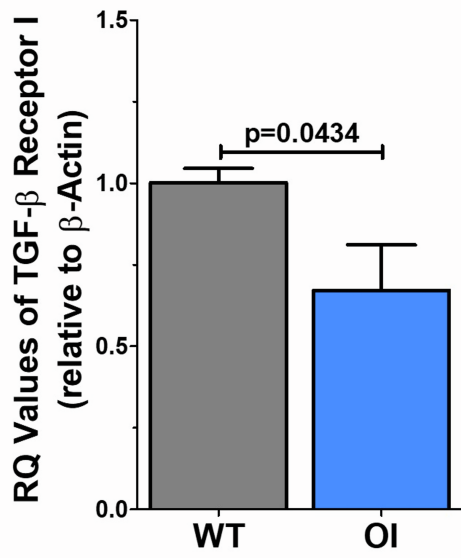


Figure S3



SUPPLEMENTAL FIGURE TITLES AND LEGENDS

Figure S1. Gating strategy used for analysis of activation markers (CD44 and CD69) and effector cytokines (IFN- γ and TNF- α). Related to Figure 1 and Figure 3. Single cell suspension of splenocytes were stained using antibodies to the indicated antigens and analyzed as shown. Acquired cells were initially gated for lymphocytes by plotting SSC against FSC. Lymphocytes were then gated for single cells by plotting FSH (FSC-height) against FSC-area. The gating was then done for CD4 and CD8 cells, which were further gated for the respective activation marker or the effector cytokine for histogram presentation and obtaining the mean fluorescent intensities (MFI) indicating the extent of expression.

Figure S2. Gating strategy used for analysis of the Tregs. Related to Figure 1 and Figure 3. Single cells suspensions of splenocytes and thymocytes were stained with the respective antibodies and analyzed as shown. Single cell suspension of splenocytes were stained using antibodies to the indicated antigens and analyzed as shown. Acquired cells were initially gated for lymphocytes by plotting SSC against FSC. Lymphocytes were then gated for single cells by plotting FSH (FSC-height) against FSC-area. The gating was then done for CD4⁺ T cells and further analyzed for CD25 and FoxP3 as shown.

Figure S3. TGF- β receptor expression is decreased in OI mice. Related to Figure 1. RNA was extracted from the splenocytes, and real-time PCR for TGF- β Receptors I and II were conducted. A significant decrease was seen in mRNA expression of both TGF- β receptor I and II in OI mice as compared to WT mice.