Supplemental Figure 1. Percent of CD45RO⁺ cells on Foxp3⁺ and Foxp3⁻ T cells isolated from adult and fetal human skin. Cells are pre-gated on viable CD3⁺ T cells.
Supplemental Figure 2. Foxp3 Expression in Human Adult Skin and PBMCs. Expression of Foxp3 in viable CD3⁺CD4⁺CD45RO⁺ T cells in PBMCs ('Blood') and skin isolated from healthy adults. Histogram is gated on Foxp3⁺ cells. Results are representative data from >15 independent experiments. \( p \) values determined using a two-tailed unpaired Student’s \( t \) test.
Supplemental Figure 3. Treg production of IL-17 varies with anatomic site. Normal healthy skin was harvested from the face/scalp or trunk in patients without psoriasis (healthy), or from non-lesional (NL) and lesional (L) trunk skin from patients with PSO. Single cell suspensions were stimulated with PMA/Iono, stained for intracellular cytokines (and lineage markers) and analyzed by flow cytometry. $p$ values determined using a two-tailed unpaired Student’s $t$ test.
Supplemental Figure 4. Expression of IFNg, IL-2 and Foxp3 on T cells isolated from lesional and non-lesional skin of psoriasis patients. (A) Intracellular cytokine production from mTreg and mTconv cells in non-lesional (NL) and lesional (L) human skin harvested from patients with active psoriasis (PSO). Cells are pre-gated on viable CD3⁺CD4⁺CD45RO⁺ cells. (B) Foxp3 expression on CD4+ T cells isolated from non-lesional and lesional skin harvested from patients with active psoriasis. Cells in flow cytometry plots are gated on viable CD3⁺CD45RO⁺ cells and cells in scatter plot are gated on CD3⁺CD45RO⁺Foxp3⁺ cells. MFI, mean fluorescence intensity.
A. Skin sort strategy

Supplemental Figure 5. Sorting Strategy to Purify mTregs From Human Skin and Blood For FOXP3 Methylation Analysis
Cell suspensions were isolated from skin or PBMCs (‘Blood’) and sorted according to the gating strategy above. The actual percentage of Foxp3-expressing cells within each sorted population is listed in parentheses under pie charts in Figure 2.