

Supplementary Material

DirkJan Hijnen¹,
Edward F. Knol¹,
Yoony Y. Gent¹,
Barbara Giovanonne¹,
Scott Beijn¹,
Thomas S. Kupper²,
Carla A.F.M. Bruijnzeel-Koomen¹,
Rachael A. Clark²

¹Department of Dermatology, University Medical Center Utrecht, Utrecht, The Netherlands

²Department of Dermatology, Brigham and Women's Hospital and the Harvard Skin Disease Research Center, Boston, MA

Correspondence: DirkJan Hijnen, Department of Dermatology, University Medical Center Utrecht, 3584 CX Utrecht, Room G02.124, The Netherlands, phone: +31 88 7557388, fax: +31 88 755404, e-mail: dirkjanhijnen@gmail.com

Supplementary data S1

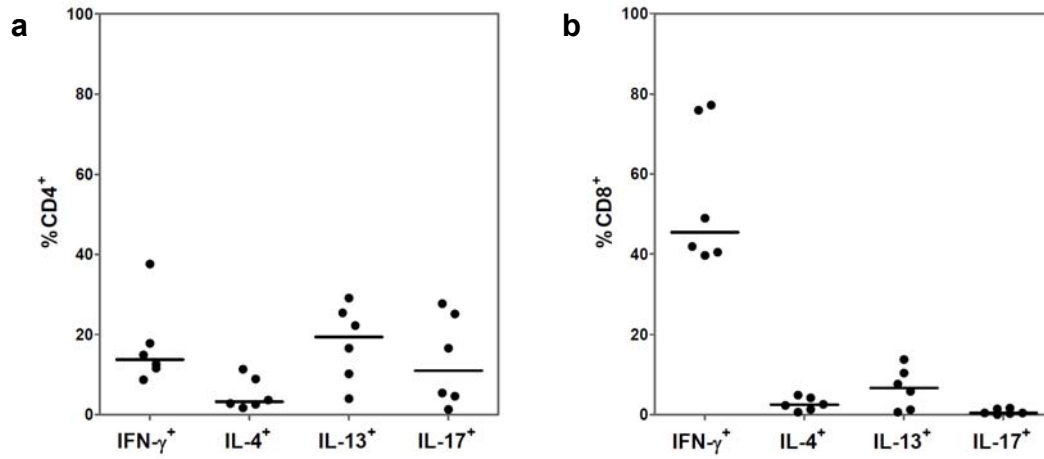


Figure S1. Cytokine expression profiles of T cells isolated from normal skin biopsies (n=6). T cells were isolated from healthy human skin samples. Percentages of cytokine expressing T cells are shown for (a) CD4⁺ T cells and (b) CD8⁺ T cells

Supplementary data S2

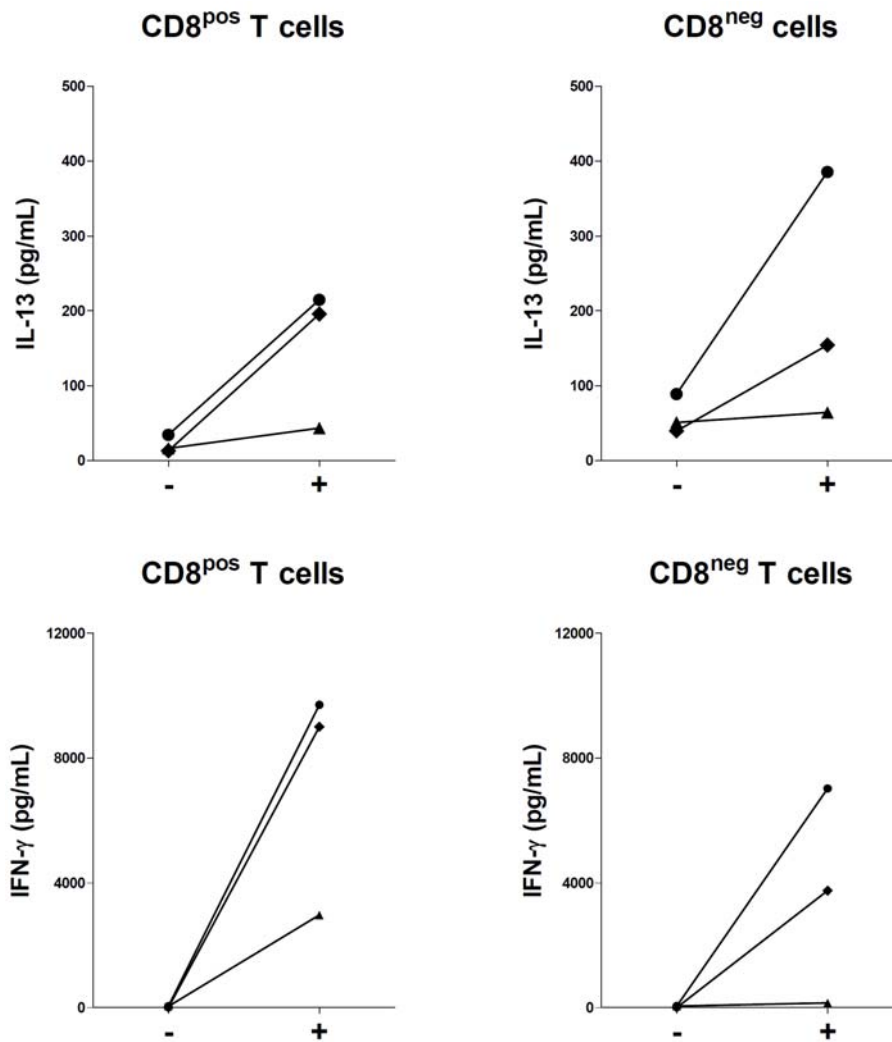


Figure S2. CD8⁺ T cells isolated from skin biopsies secrete IL-13 (upper left panel) and IFN- γ (lower left panel) as determined by ELISA. The CD8⁻ T cell population (mainly including CD4⁺ T cells, right panels) produces amounts of IL-13 and IFN- γ comparable to the CD8⁺ population.

Supplementary data S3

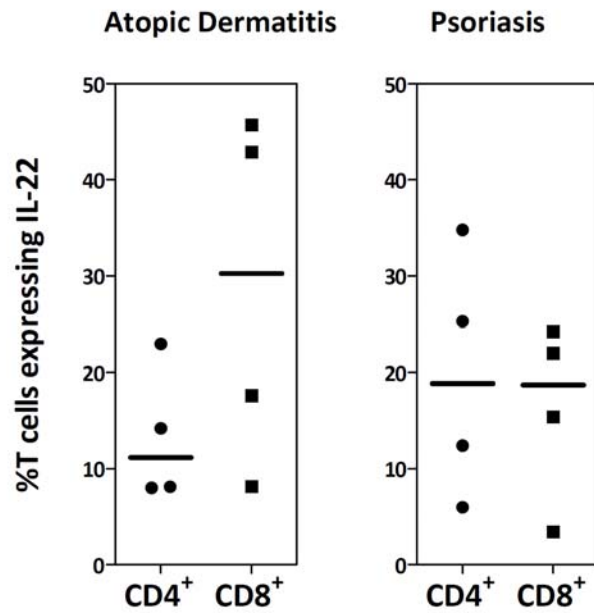


Figure S3. High numbers of CD4⁺ and CD8⁺ T cells isolated from AD (n=4) and psoriasis (n=4) produced IL-22. Horizontal bars represent median percentages for each group

Supplementary data S4

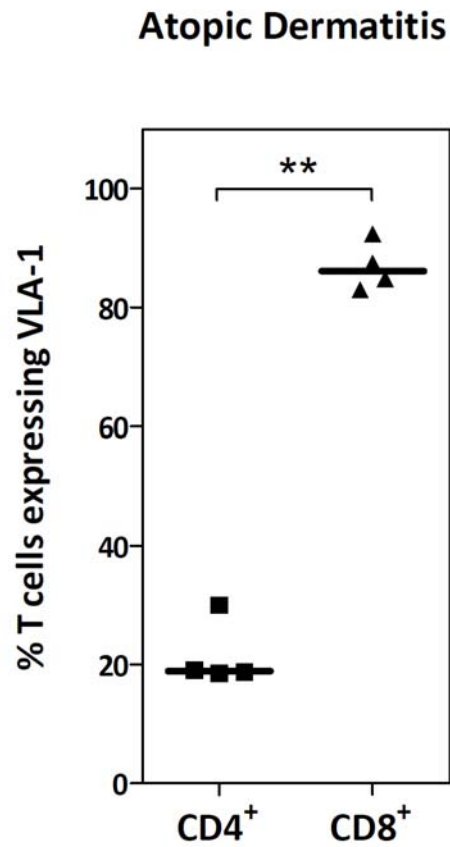


Figure S4. CD8⁺ T cells from AD patients (n=4) show significantly higher expression levels of VLA-1 compared to CD4⁺ T cells. Horizontal bars represent median percentages for each group. ** P<0.01

Supplementary data S5

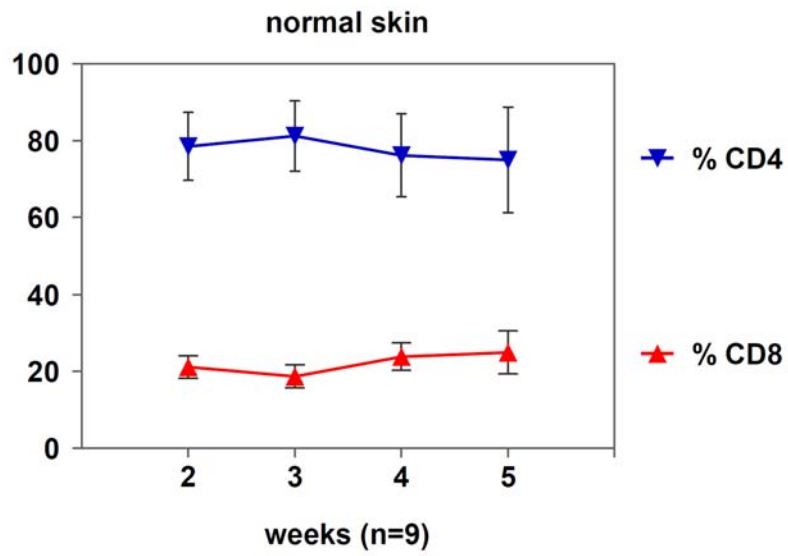


Figure S5. The percentages of CD4⁺ and CD8⁺ T cells isolated from normal skin biopsies are stable during five weeks *ex vivo* culture.