Supplementary Information.

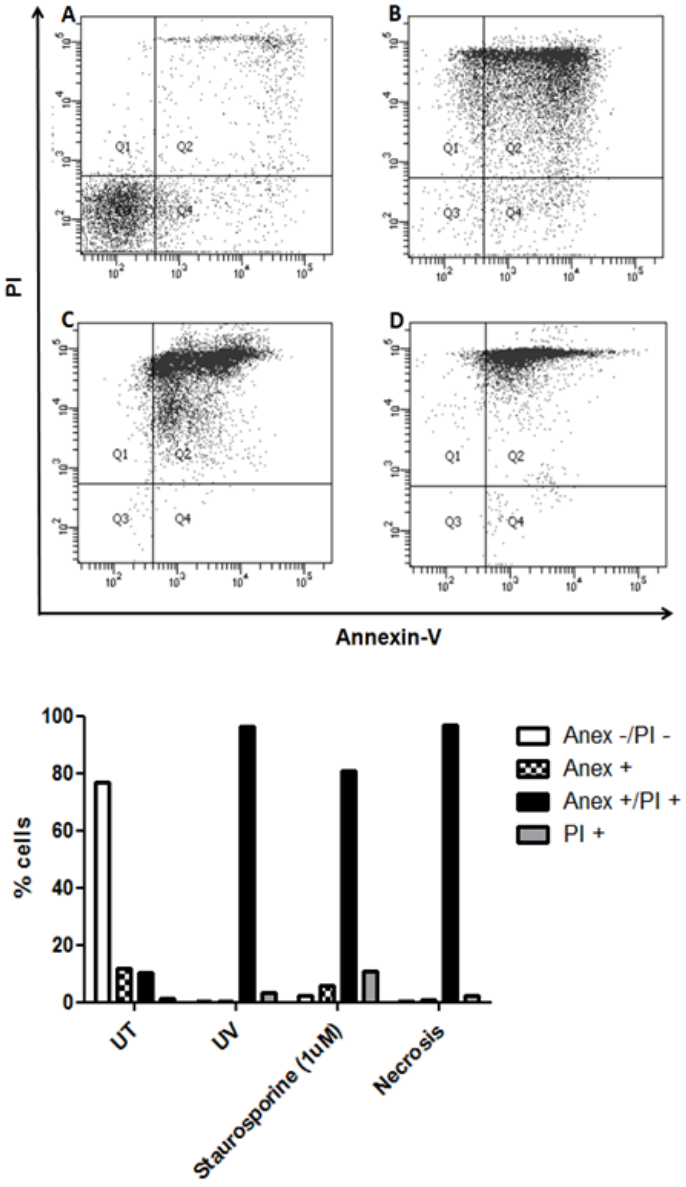
Supplementary Table S1: Characteristics of HC recruited in the study, related to Figure 1.

Healthy control	Gender	Age [yrs]
HC1	F	41
HC2	F	53
HC3	F	43
HC4	F	31
HC5	F	50
HC6	F	51

Supplementary Table S2: Characteristics of HC recruited in the study, related to Figure 3.

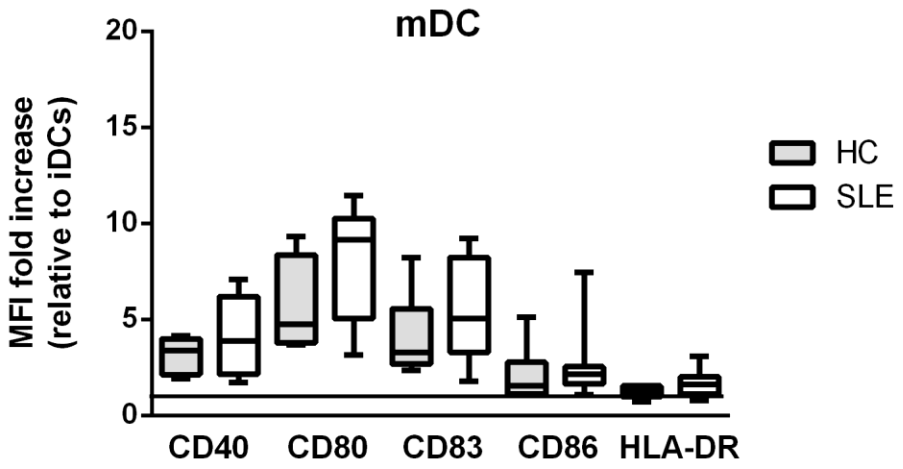
Healthy control	Gender	Age [yrs]
HC7	F	30
HC8	M	60
HC9	F	25
HC10	F	51

Supplementary Figure S1



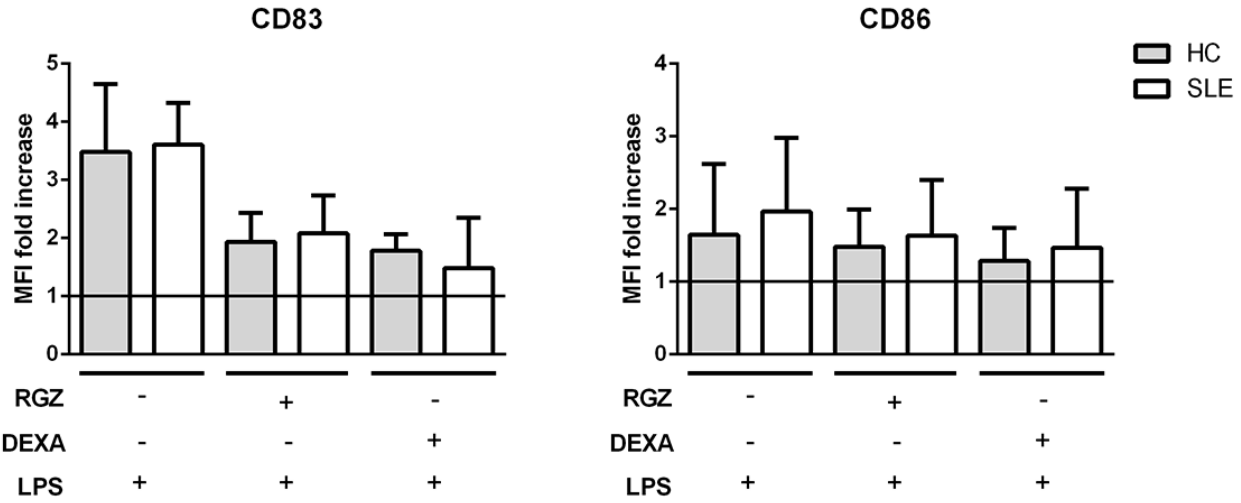
Supplementary Figure S1. UV-B irradiation induces cell death in Peripheral Blood Lymphocytes (PBLs). PBLs were stained with PI and annexin-V, and cell death was evaluated by flow cytometry. [A] Untreated cells (UT); [B] staurosporine treatment; [C] heat shock treatment; [D] UV-B light treatment; [E] Distribution of population of stained cells after each condition is represented in bars (n=1, healthy control subject).

Supplementary Figure S2



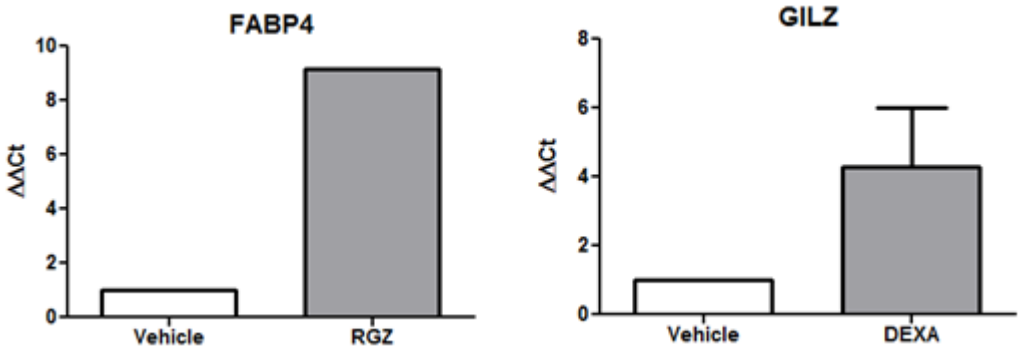
Supplementary Figure S2. SLE and HC mature DCs (mDCs) have high expression of co-stimulatory molecules. DCs were differentiated from HC and SLE monocytes in presence of GM-CSF and IL-4. To obtain mDCs 1 μg/mL LPS was added for 48 hours. The expression of maturation markers was assessed by flow cytometry.

Supplementary Figure S3



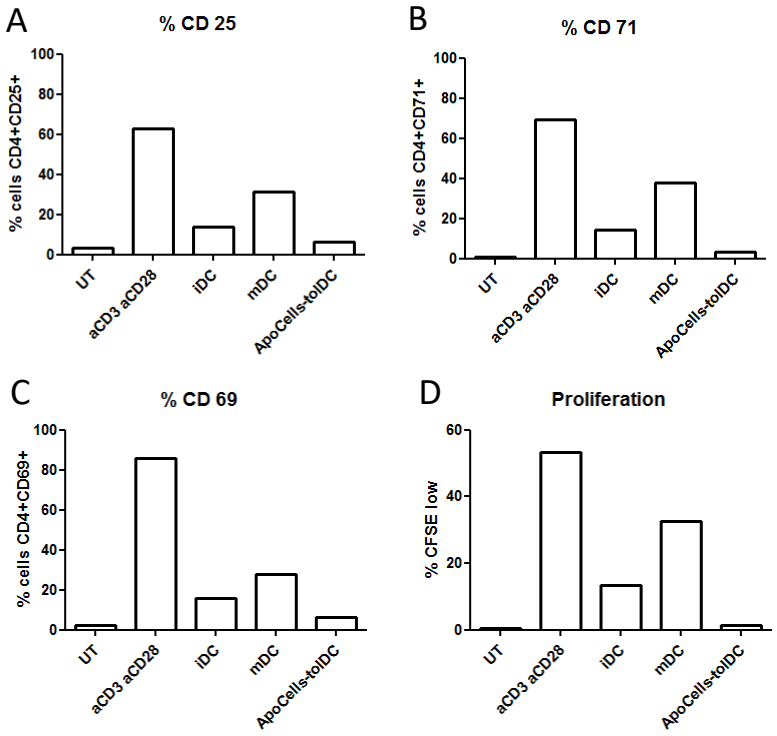
Supplementary Figure S3. RGZ or DEXA alone do not prevent LPS-induced maturation of HC or SLE DCs. DCs were treated with 10 μM RGZ or 10 μM DEXA for 24 hours and then stimulated with 1 μg/mL LPS for additional 24 hours. The expression of maturation markers CD83 and CD86 was assessed by flow cytometry. RGZ- and DEXA-treated DCs did not reach a statistical difference after LPS stimulation compared to DCs treated with LPS alone on the expression of CD83 and CD86.

Supplementary Figure S4



Supplementary Figure S4. Immunosuppressant drugs induce the expression of target genes. Expression of FABP4 and GILZ was measured by qPCR using the ΔΔCt method in DCs treated with RGZ and DEXA, respectively. n=1 FABP4, n=4 GILZ. p=N.S. Mean±SEM.

Supplementary Figure S5



Supplementary Figure S5. ApoCells-loaded tolDCs modulate allogeneic activation $CD4^+$ T-cells from a SLE patient in a MLR assay. SLE $CD4^+$ T-cells were co-cultured with allogeneic SLE DCs in a 5:1 ratio for 5 days to induce activation of T-cells. Percentage of activation markers [A] CD25, [B] CD71 and [C] CD69 on $CD4^+$ T-cells is shown as percentage of $CD4^+$ gated cells. [D] CFSE dilution of $CD4^+$ T-cells cultured in presence of allogeneic DCs. (n=1).