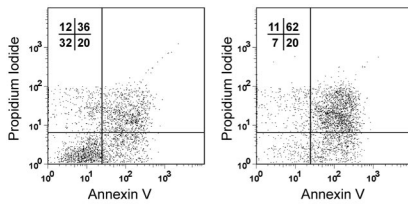


A Langerhans Cells

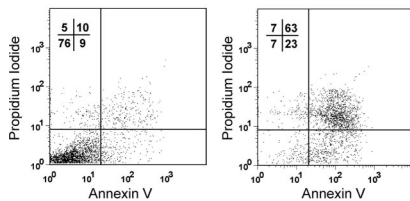
untreated LC in vitro PUVA



24h post PUVA

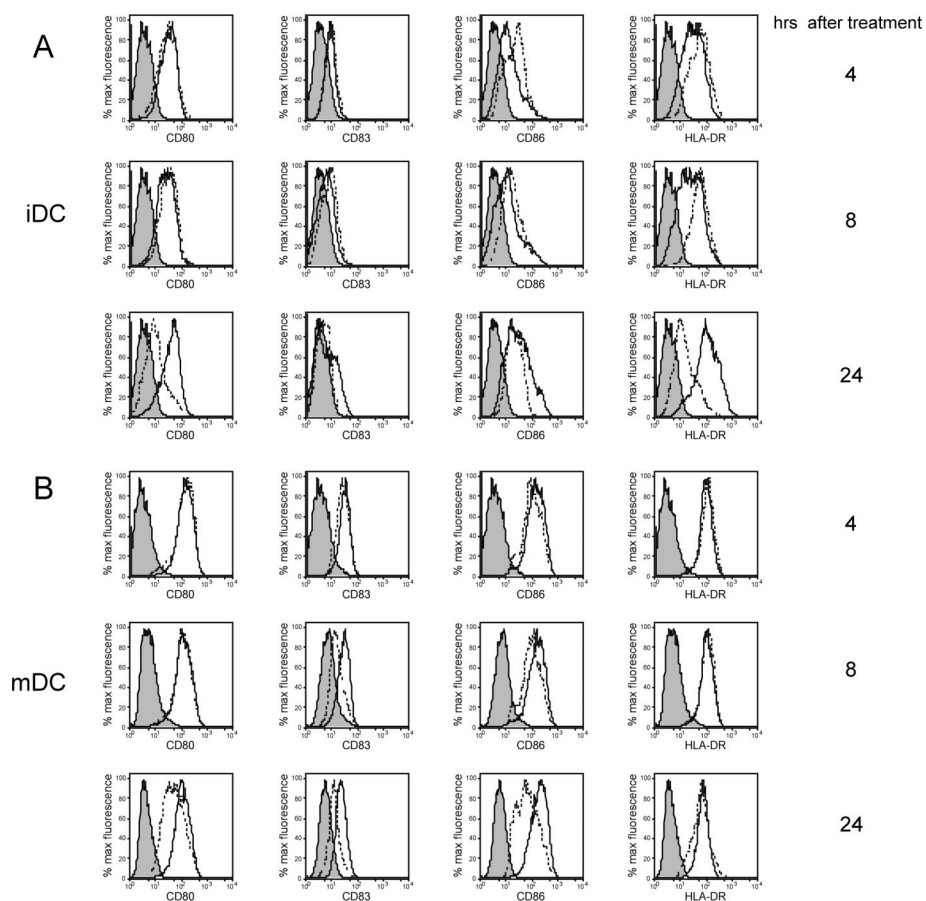
B Dermal Dendritic Cells

untreated DDC in vitro PUVA



24h post PUVA

SUPPLEMENTAL FIGURE 1. Induction of apoptosis in Langerhans cells and dermal DC by in vitro PUVA treatment. (A and B) In vitro PUVA induces apoptosis in Langerhans cells (LC) and dermal DC. 200 μ m dermal sheets were obtained from human mammoplasty skin by digestion with dispase (Roche, www.roche-applied-science.com). LC and dermal DC were isolated by spontaneous migration from separated epidermal and dermal sheets cultured with 50 ng/mL GM-CSF over 60 hr. LC and dermal DC were treated with in vitro PUVA and the rate of apoptosis was detected by flow cytometry after 24 hr using Annexin-V FIGC and PI. Data shown are representative of two experiments. Background levels of apoptosis were attributed to the processing of cells.



SUPPLEMENTAL FIGURE 2. In vitro PUVa modulates mo-DC phenotype. Expression of CD80/83/86 and HLA-DR on (A) immature mo-DC and (B) mature mo-DC 4 hr, 8 hr, and 24 hr after in vitro PUVa treatment as analyzed by flow cytometry (isotype filled, untreated black line, PUVa treated black dashed line; representative experiment out of 4; see Table 1 for MFI fold induction).