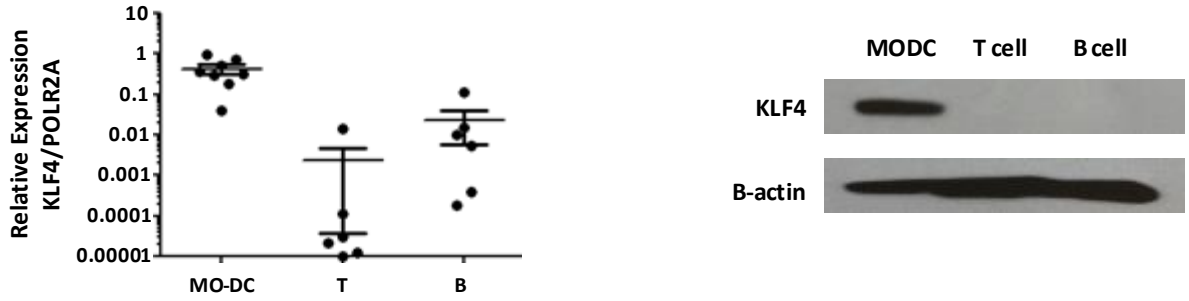
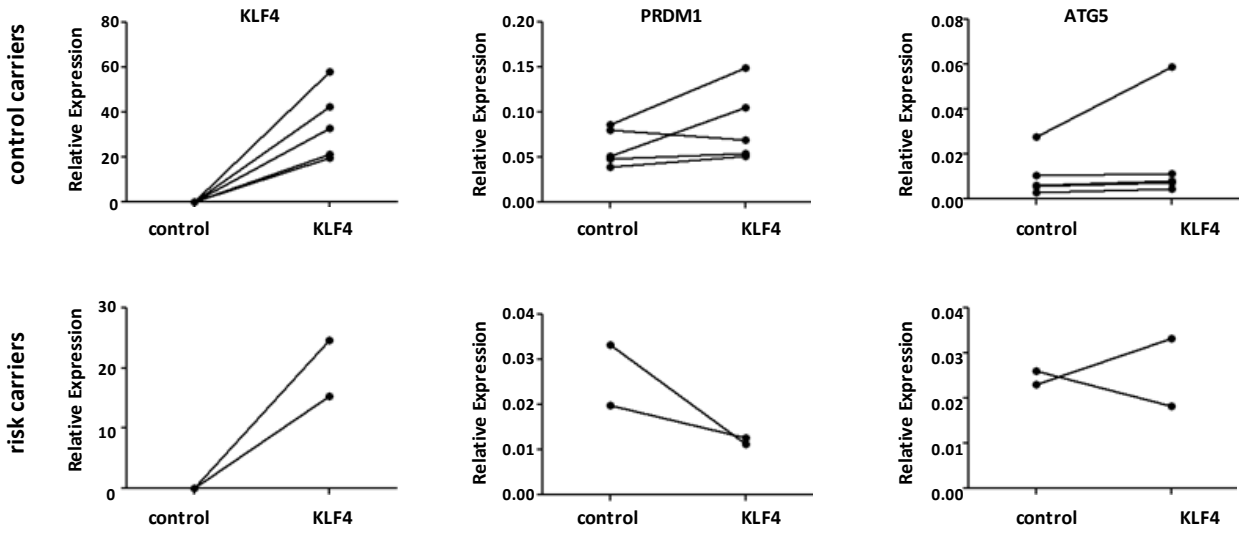


Supplemental figure 1: KLF4 expression in MO-DCs, total T cells and total B cells in human PBMCs.

Expression of *KLF4* was measured by qPCR (left graph) and western blotting (right panel). Total RNA was prepared from freshly isolated total T cells (CD3+/CD19-/CD14-), total B cells (CD3-/CD19+/CD14-) and monocyte (CD3-/CD19-/CD14+)-derived DCs (MO-DCs). Relative expression of KLF4 was normalized to the level of housekeeping gene, *POLR2A*. Each dot represents an individual sample and the bar represents the mean ± SEM. To measure KLF4 protein, freshly isolated total T cells, total B cells or MO-DCs were lysed in RIPA buffer and 40 μg of protein was applied to each lane. A representative image from three independent experiments.



Supplemental figure 2: Decreased level of PRDM1 in KLF4 overexpressing MO-DCs with risk SNP. MO-DCs prepared from either control carriers (upper row) or risk carriers (bottom row) were transfected with 5 mg of control or KLF4 plasmid on day 5 of differentiation. After 48 hours, transfection efficiency was measured by GFP expression and total RNA was purified and converted into cDNA. Expression of *KLF4*, *PRDM1* and *ATG5* was measured by qPCR and relative expression was normalized to the level of the housekeeping gene, *HPRT1*. Each line represents an individual sample. Statistical test was not performed due to a low number of samples in the risk carrier group.