Supplemental Figure Legends

sFig. 1. pshA20-LMP1/2 nucleofection of hDC.  A. hDCs were nucleofected with pmaxGFP. The nucleofection efficiency was determined by analyses of GFP expression.  B. hDCs was nucleofected with pshA20-LMP1/2. The nucleofection efficiency was determined by ICS analysis of intracellular LMP1 expression. The data are representative of two independent experiments.  \( P < 0.01, \) pshuttle vs. pmaxGFP or pshA20-LMP1/2 nucleofection.

sFig. 2. A20 expression in unstimulated, differently transfected or Mock hDCs. hDCs were nucleofected with Mock, pLMP1/2, or pshA20-LMP1/2 followed by LPS stimulation or nonstimulation. A20 mRNA level was analyzed by qPCR and data were normalized with mock DC A20 mRNA 24hr after nucleofection (upper). A20 protein expression was analyzed by western blot 24 hrs after nucleofection (lower). The data are representative of two independent experiments. The difference of A20 expression by pLMP1/2 DCs or Mock DCs is not statistically significant.

sFig. 3. IL-10 and TGF-β production by human lymphoma. Tumor cell lysates were prepared from human lymphoma cell lines or PBMC at a concentration of 10^8 cells/ml. The IL-10 or TGF-β level in the cell lysates was analyzed by ELISA. The data are representative of two independent experiments.  * \( P < 0.05, \) tumor cell lysate vs. PBMC.
**sFig. 4. Impact of Silencing IL-10 on hDC function.**  
**A.** hDCs were transfected with IL-10 siRNA (siIL-10), IL-10R siRNA (siIL-10R), siA20, or Mock followed by TL treatment. The treated hDC were washed and stimulated with LPS. The supernatants were harvested for ELISA analysis of IL-12 production.  
**B.** The above siRNA transfected, TL-pulsed hDCs were cocultured with CD4$^+$ T cells for 7-9 days. IL-10 production by the cocultured CD4$^+$ T cells was determined by ELISA. *P < 0.05, TL/shA20 vs. TL.*

**sFig. 5. Frequencies of CD4$^+$/CD8$^+$ T cells in the cocultures.** Autologous HLA-A2$^+$ lymphocytes were co-cultured with the nucleofected DCs for 2-3 weeks with weekly re-stimulation. Frequencies of CD8$^+$ T cells or CD4$^+$ in the cocultures were assessed by CD8/CD4 antibody staining/FACS. The data are representative of the analyzed 2 buffy coats.