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.