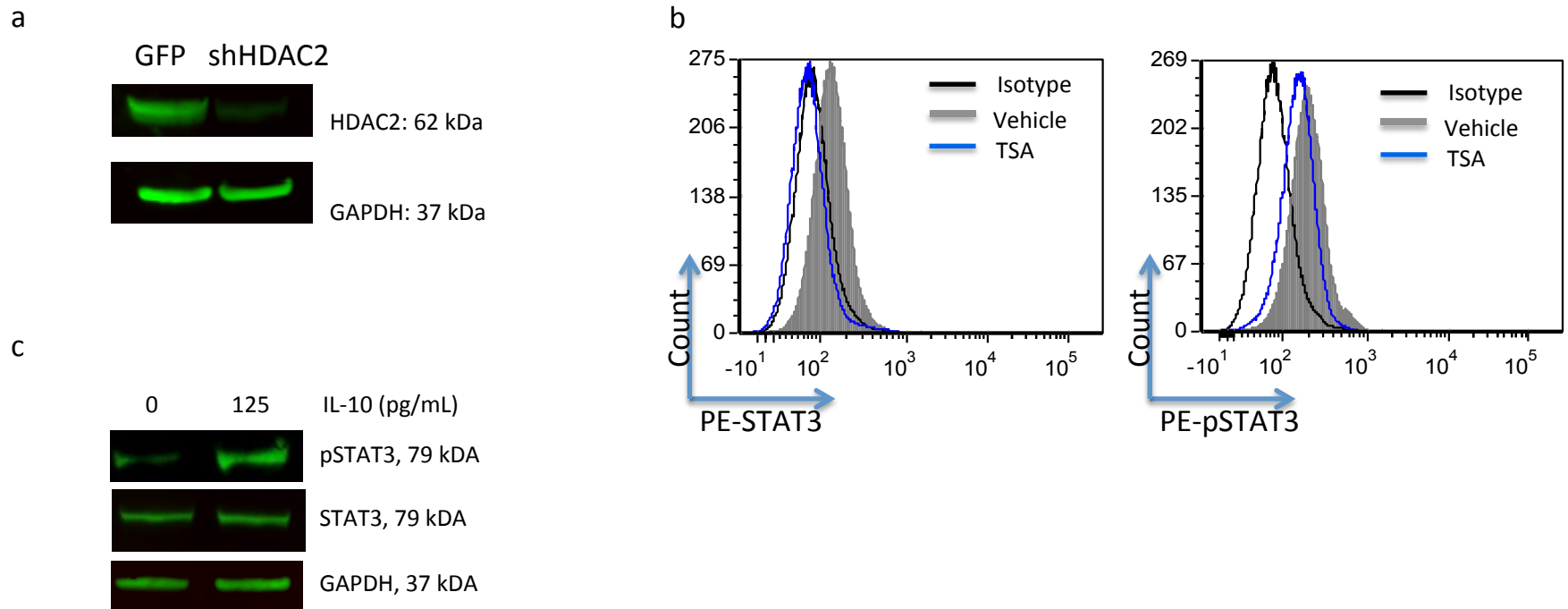


c

	Trichostatin A (TSA)	LBH589 (Panobinostat)	MC1568
Class of HDACi	Hydroxamic acid	Cinnamic hydroxamic acid	(Aryloxypropenyl) pyrrolyl hydroxyamide
Known to inhibit HDACs	Class I and II HDACs: 1, 2, 3, 4, 6 and 10	All class I, II, and IV HDACs: 1-11	Class II HDACs: 4-7, 9, 10
Functional effects	Enhances CD1d-mediated and MHC class II-mediated antigen presentation	Enhances CD1d-mediated antigen presentation	Enhances CD1d-mediated antigen presentation

Supplementary figure 1. a JeKo-1 were treated with 50 nM MC1568 for 4 h, washed, and co-cultured with DN32.D3 and N38-3C3. **b** LCD1d were treated with 10 nM LBH589 for 4 h, washed, and co-cultured with DN32.D3, N38-3C3, and N37-1A12. **c** The table summarizes the different HDACi tested and their functional effects on CD1d and MHC class II-mediated antigen presentation.



Supplementary figure 2. **a** HDAC2 levels were assessed in JeKo-1-shHDAC2 transductants expressing low and high cell surface levels of CD1d. **b** JeKo-1 cells were treated with TSA and levels of STAT3 and phosphorylated STAT3 (pY705) were assessed by flow cytometry. Black histogram: isotype control mAb. Grey histogram: vehicle. Blue histogram: TSA. **c** LCD1d cells were treated with IL-10 and induction of STAT3 was confirmed by performing Western blot analysis.