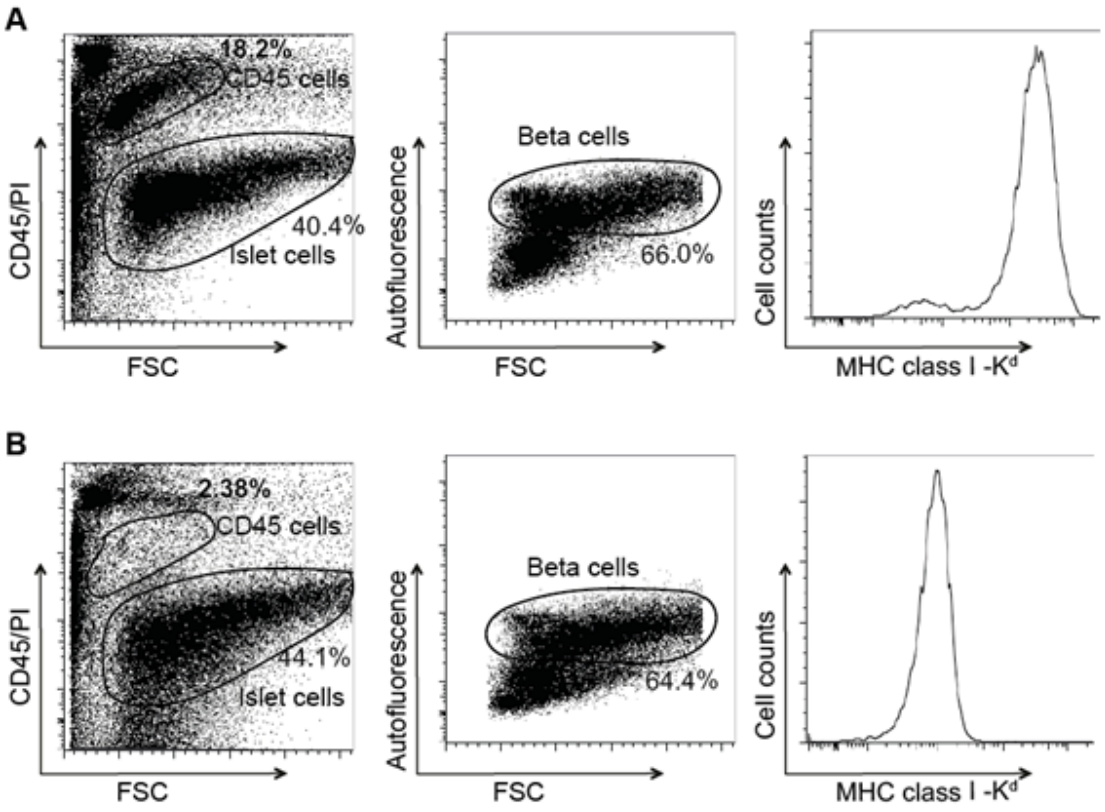
SUPPLEMENTARY DATA

Supplementary Figure S1. AZD1480 reduces beta cell MHC class I andimmune infiltrate in NOD mice (A&B) Representative flow cytometry plots showing $CD45^+$ infiltrating immune cells (left), autofluorescent beta cells (center) and MHC class I expression on beta cells from vehicle (A) or AZD1480 (B) treated NOD mice (13-15 week old) after 14 days of treatment. Propidium iodide (PI, 10 µg/ml) was added to exclude dead cells and is in the same fluorescence channel as CD45 (y-axis).



Supplementary Movie S1. Calcium flux in activated NOD8.3 T cells incubated with vehicle-treated beta cells. Movie is related to Fig 3A. Time-lapse microscopy of fluo-4 labeled, activated NOD8.3 T cells interacting with vehicle treated beta cells. Red is propidium iodide staining dead cells. Images were acquired every 25 seconds and movie length is 62 minutes and 10 seconds.

Supplementary Movie S2. Calcium flux in activated NOD8.3 T cells incubated with AZD1480-treated beta cells. Movie is related to Figure 3B. Time-lapse microscopy of fluo-4 labeled, activated NOD8.3 T cells interacting with AZD1480 treated beta cells. Red is propidium iodide staining dead cells. Images were acquired every 25 seconds and movie length is 33 minutes and 13 seconds.