



**Supplementary Figure 2. MRGPRX2 levels after MITF silencing or ML329 treatment in LAD2 cells.** (A) MRGPRX2 expression was measured in NT shRNA, MITF shRNA 2, and MITF shRNA 3 transduced cells (day five after infection) by flow cytometry. (B) MRGPRX2 expression was measured in cells incubated with DMSO, 0.5  $\mu$ M ML329, or 5  $\mu$ M ML329 for five days by flow cytometry. MFI: Mean of Fluorescence Intensity.