

MITF downregulation induces death in human mast cell leukemia cells and impairs IgE-dependent degranulation.

Elizabeth Proaño-Pérez , Laia Ollé , Yanru Guo , Cristina Aparicio , Mario Guerrero , Rosa Muñoz-Cano , Margarita Martin

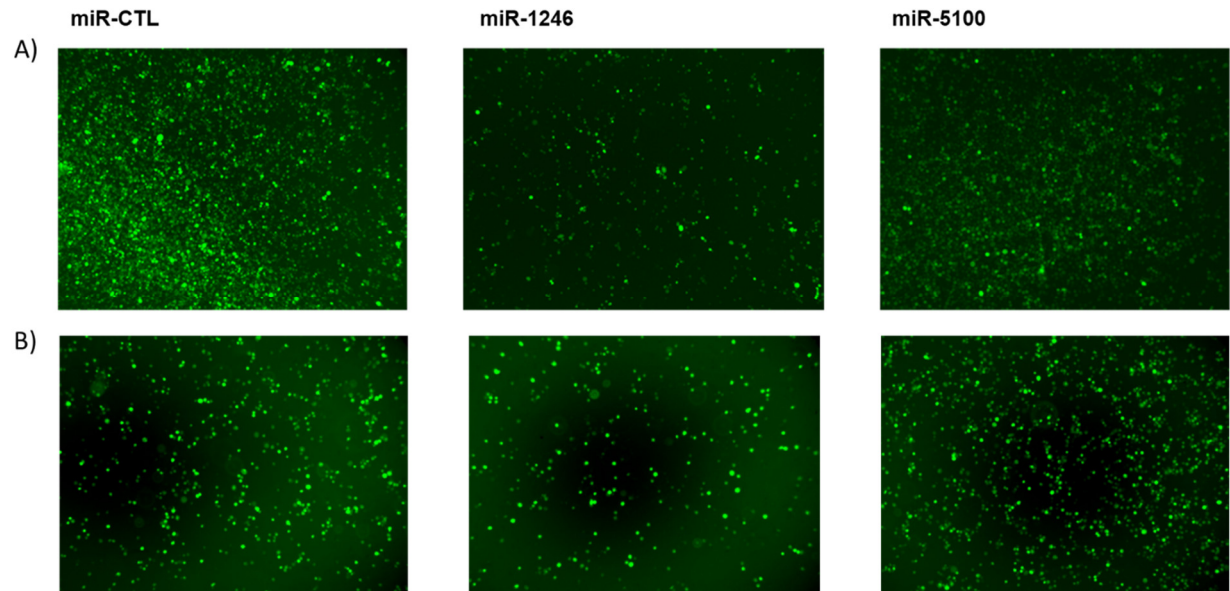


Figure S1. GFP-miRNAs expression in HMC-1 and LAD2. GFP expression was corroborated for control lentiviral transduction in both cell lines at 4th-day miR-CTL, miR-5100, and miR-1246 were measured by fluorescence microscopy (A) HMC-1 and (B) LAD2 cells.

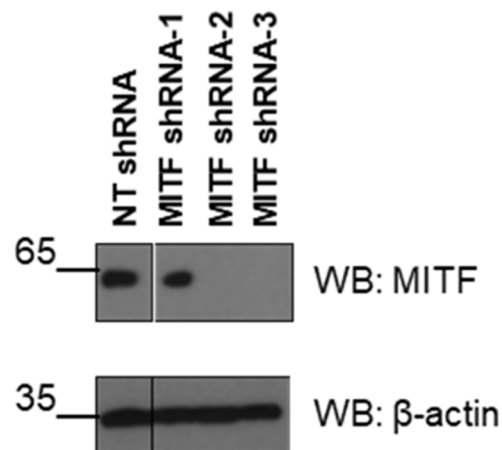


Figure S2. MITF silencing in HMC-1. Sequences MITF shRNA-1, MITF shRNA-2, and MITF shRNA-3 were validated in HMC-1 cells. Western blot shows MITF protein expression at 4th-day after lentiviral transduction.

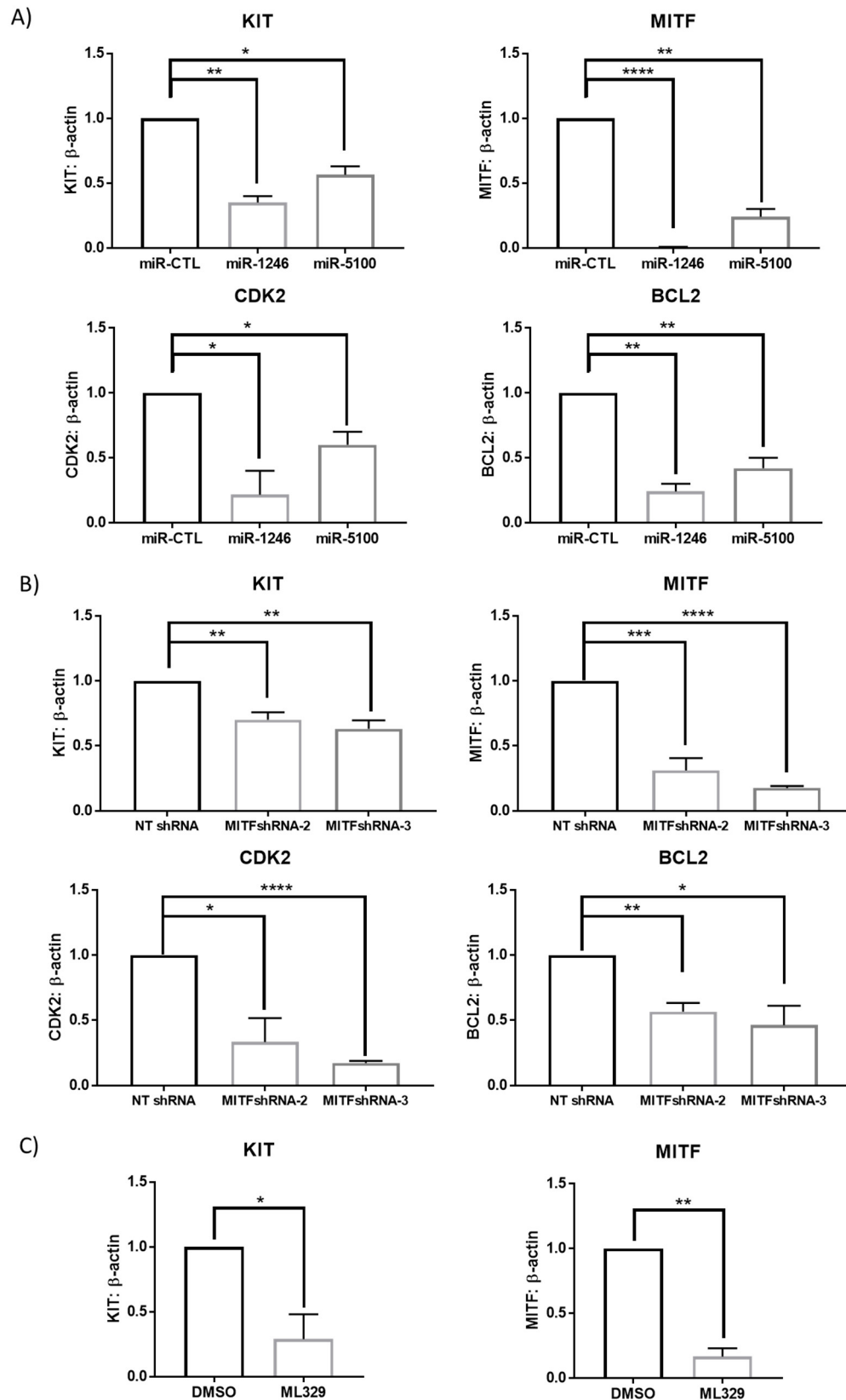


Figure S3. Band intensities from WB Figure 2A, 3A, and 4A. Graph depicting quantification of KIT: β -actin, MITF: β -actin, CDK2: β -actin and BCL2: β -actin ratios in the experimental set-up shown in Figure 2 (A); Figure 3 (B), Figure 4 (C). Unpaired T-test; mean \pm SEM $n = 3$ independent experiments, (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$).