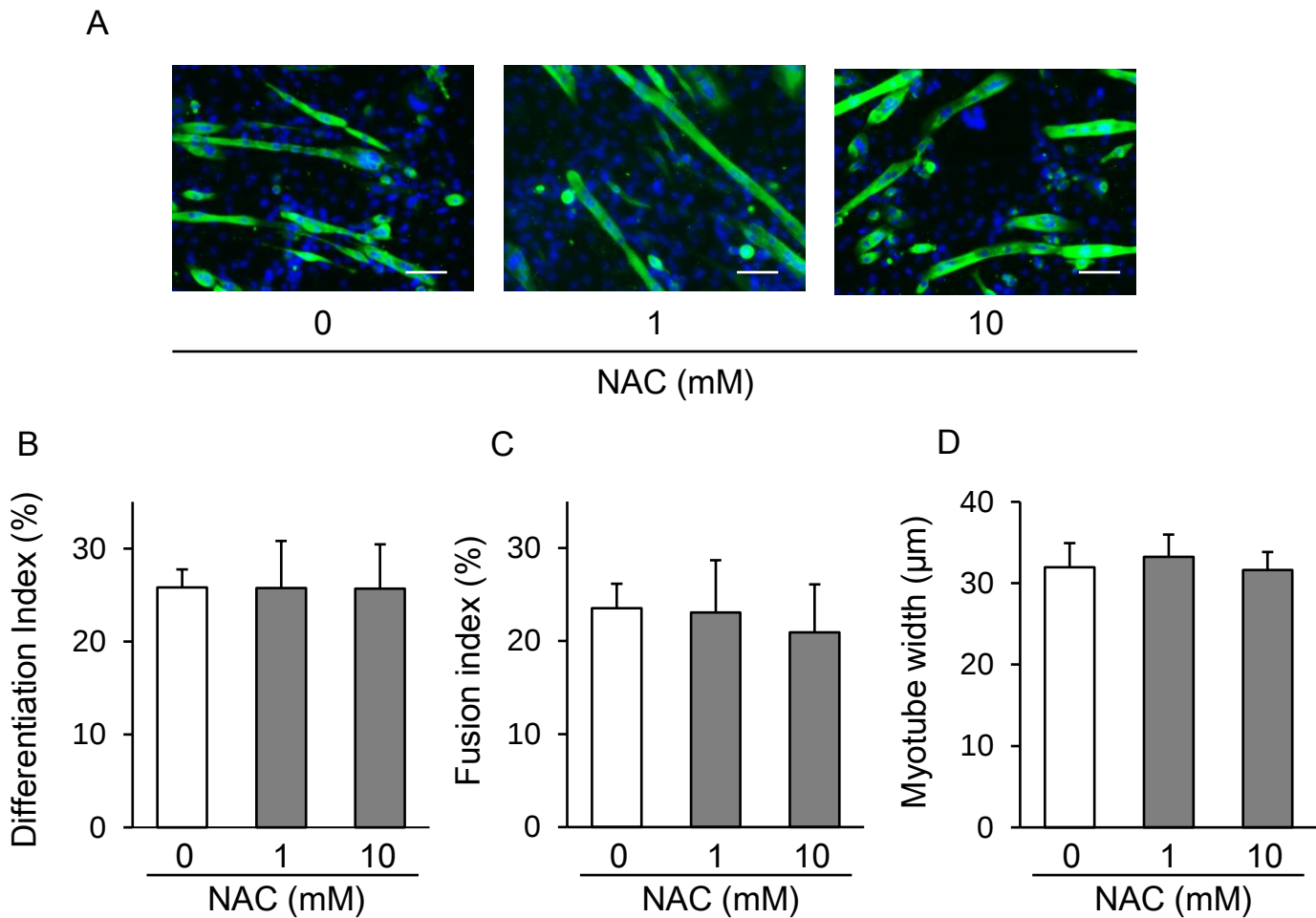




Supplementary Figure 2 *N*-acetylcysteine (NAC) did not affect myogenesis in mock-transfected C2C12 cells. Mock cells were cultured in DM with or without NAC for 5 days, and then fixed. (A) Myocytes and myotubes were detected using primary antibodies against mouse MyHCs, followed by an Alexa Fluor 488-conjugated secondary antibody (green). Nuclei were stained with Hoechst 33258 (blue). Representative images are shown. Scale bar = 100 μ m. (B) The differentiation index was calculated as the ratio of the number of nuclei in myocytes to the total nuclei in a field of view. (C) The fusion index was calculated as the ratio of the number of nuclei in myotubes versus the total number of nuclei in a field of view. (D) Mean myotube width was measured in a field of view. Data are presented as the mean $\pm$ SD ($n = 5$).