

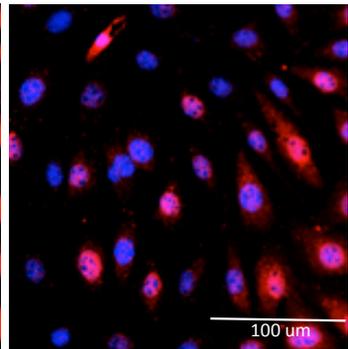
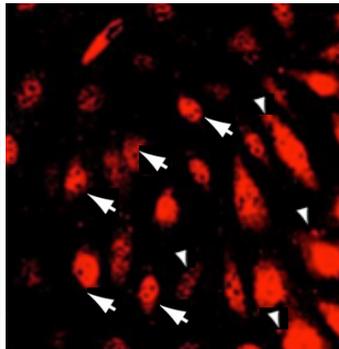
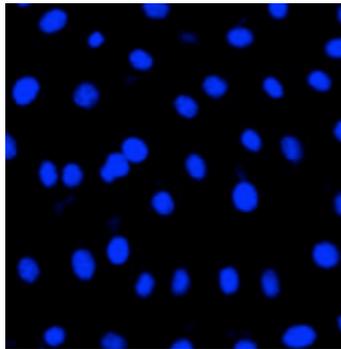
B.

HOECHST

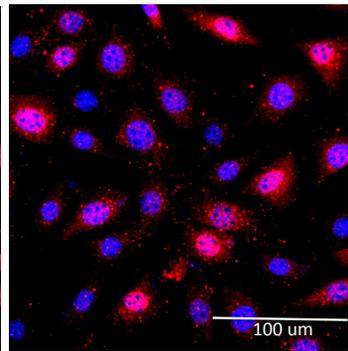
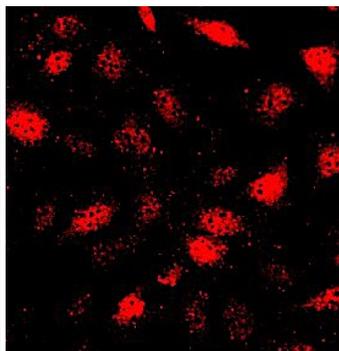
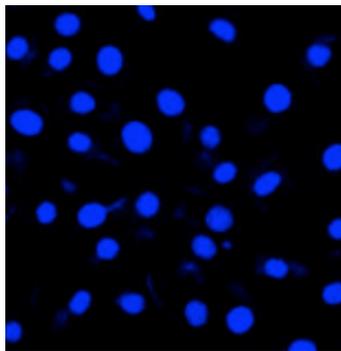
Myf5

Merge

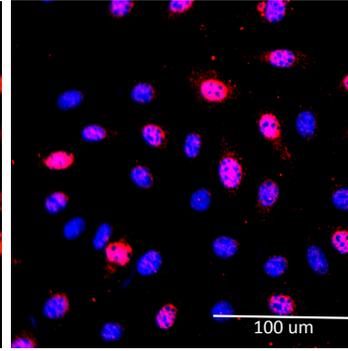
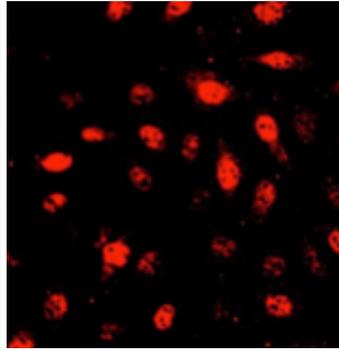
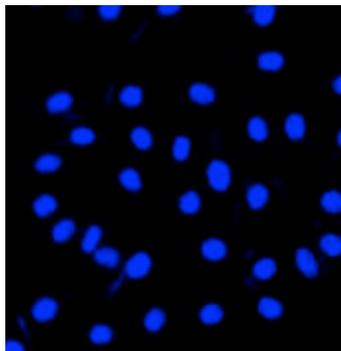
CTRL



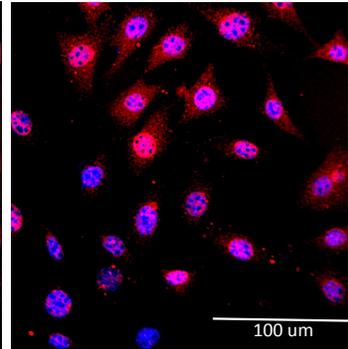
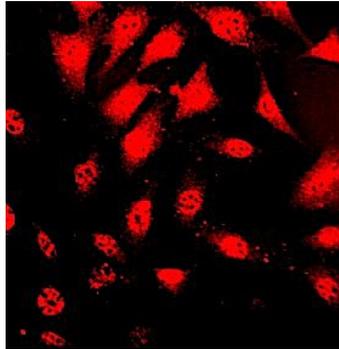
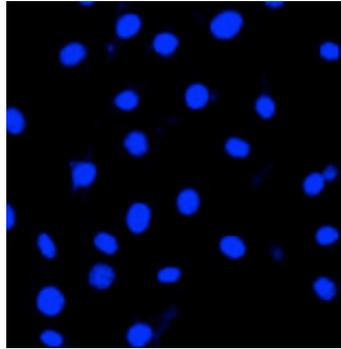
IL-1 β



TNF α



IL-6



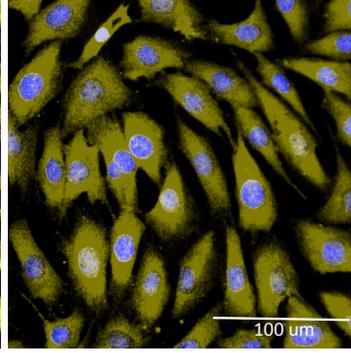
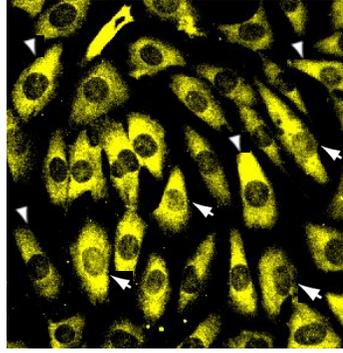
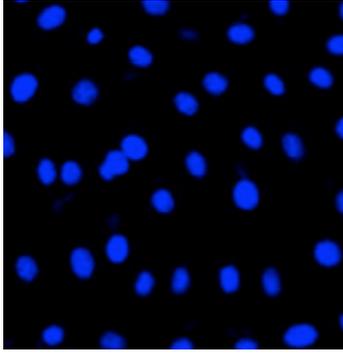
C.

HOECHST

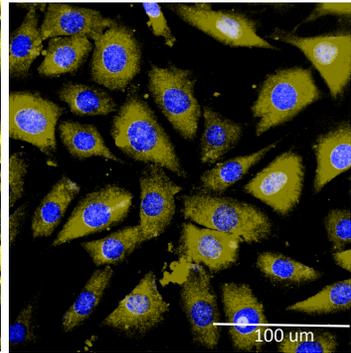
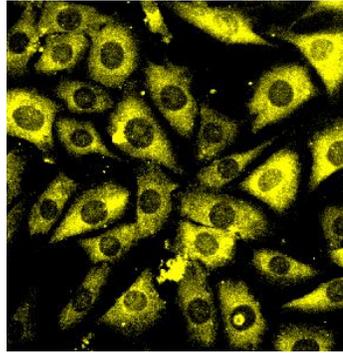
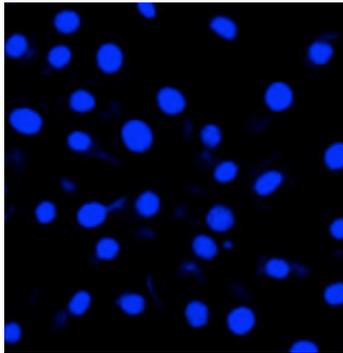
MyoD

Merge

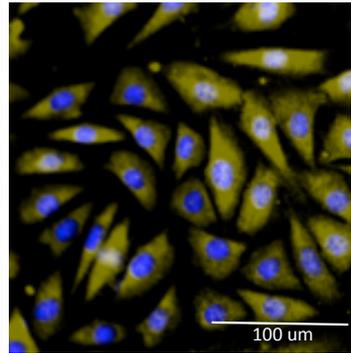
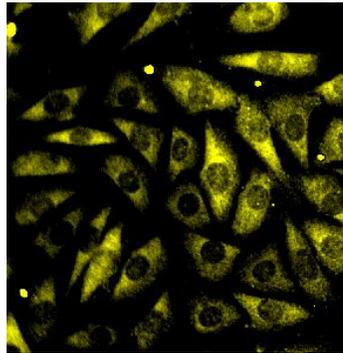
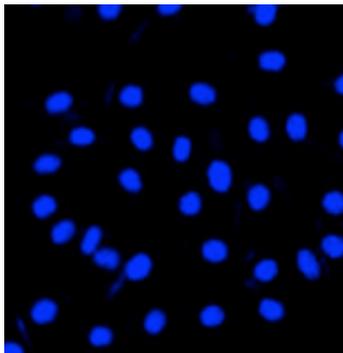
CTRL



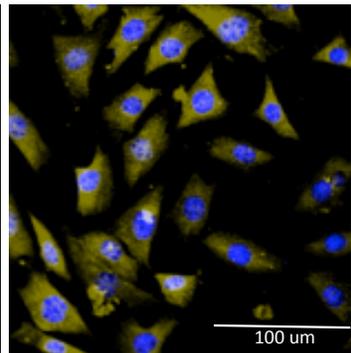
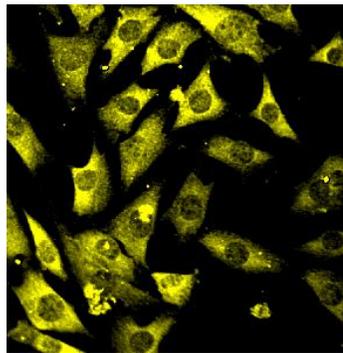
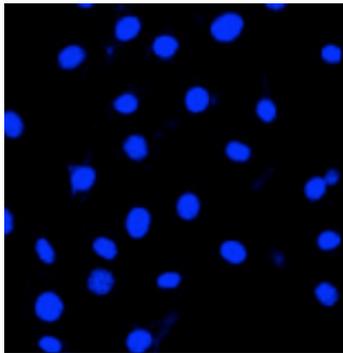
IL-1 β



TNF α



IL-6



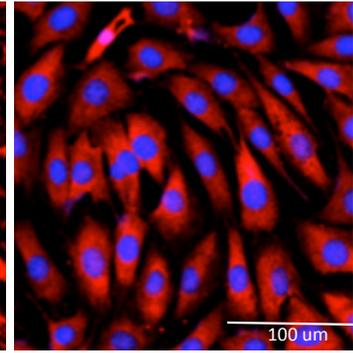
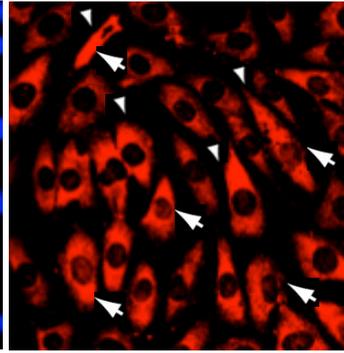
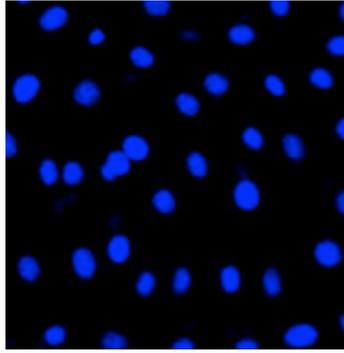
D.

HOECHST

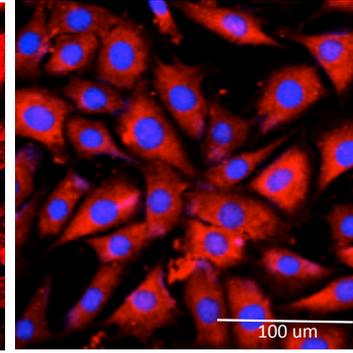
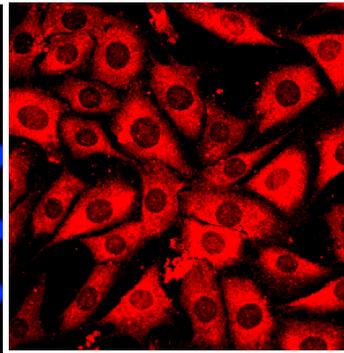
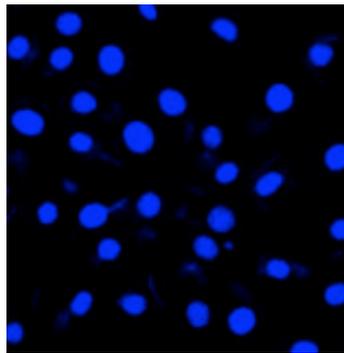
Myogenin

Merge

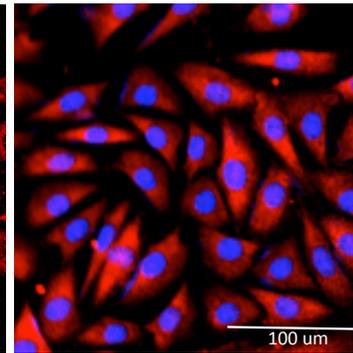
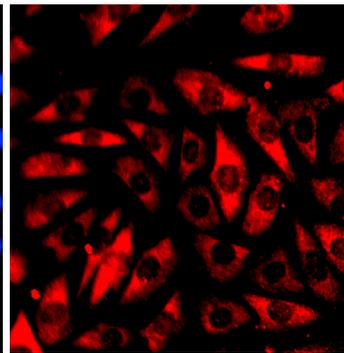
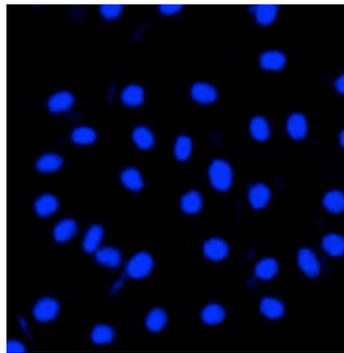
CTRL



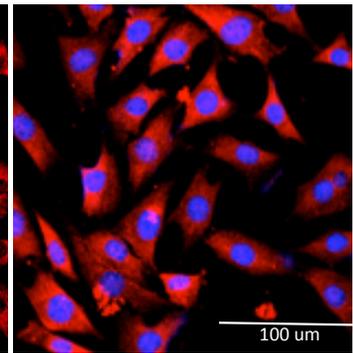
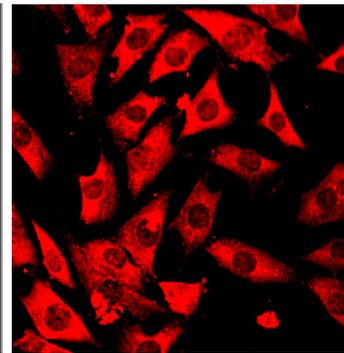
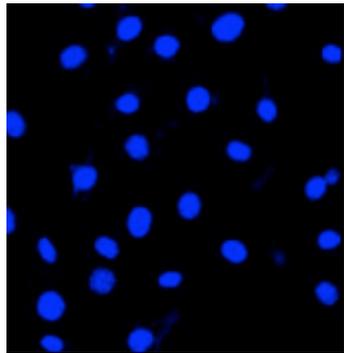
IL-1 β



TNF α



IL-6

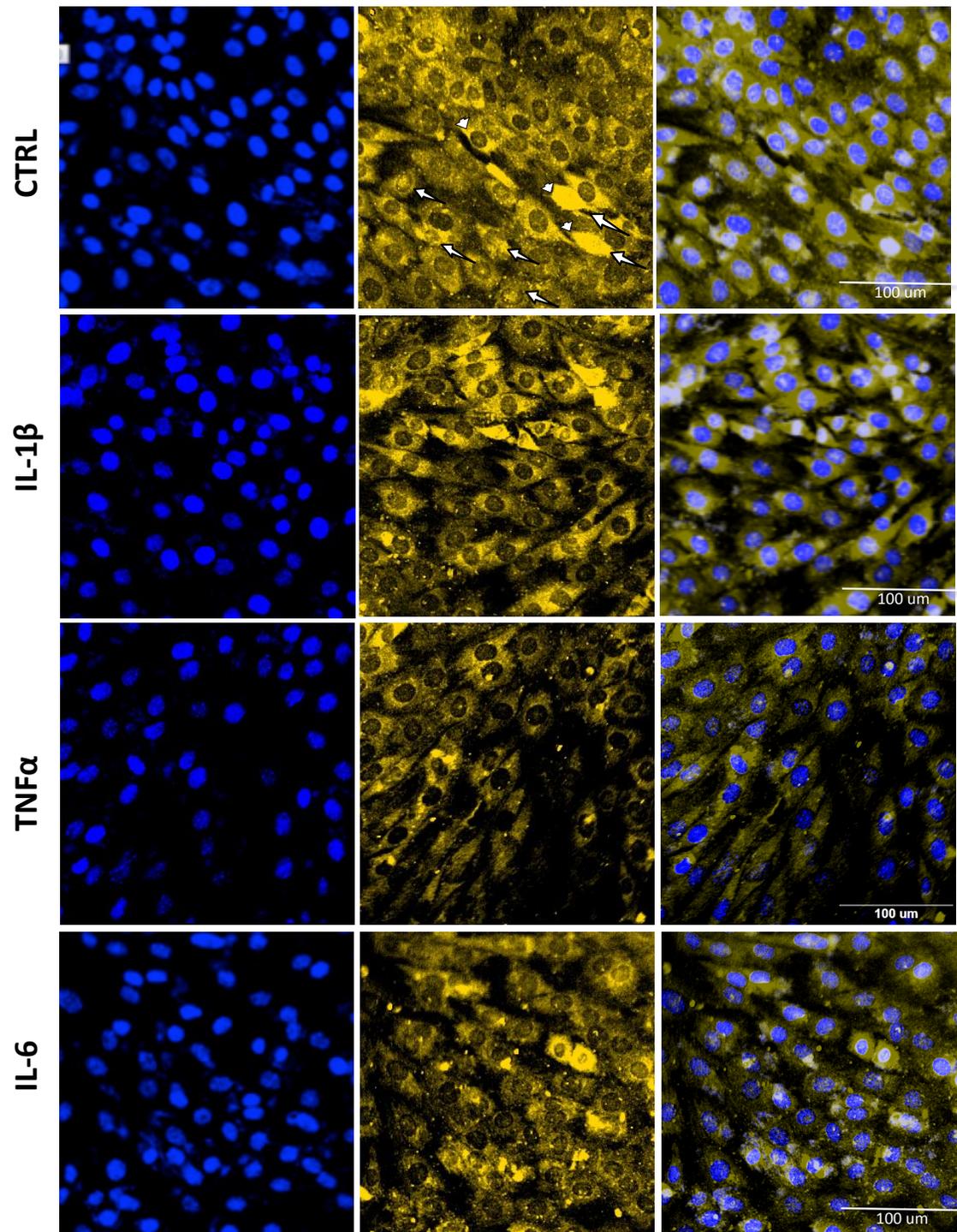


E.

HOECHST

MyoD

Merge



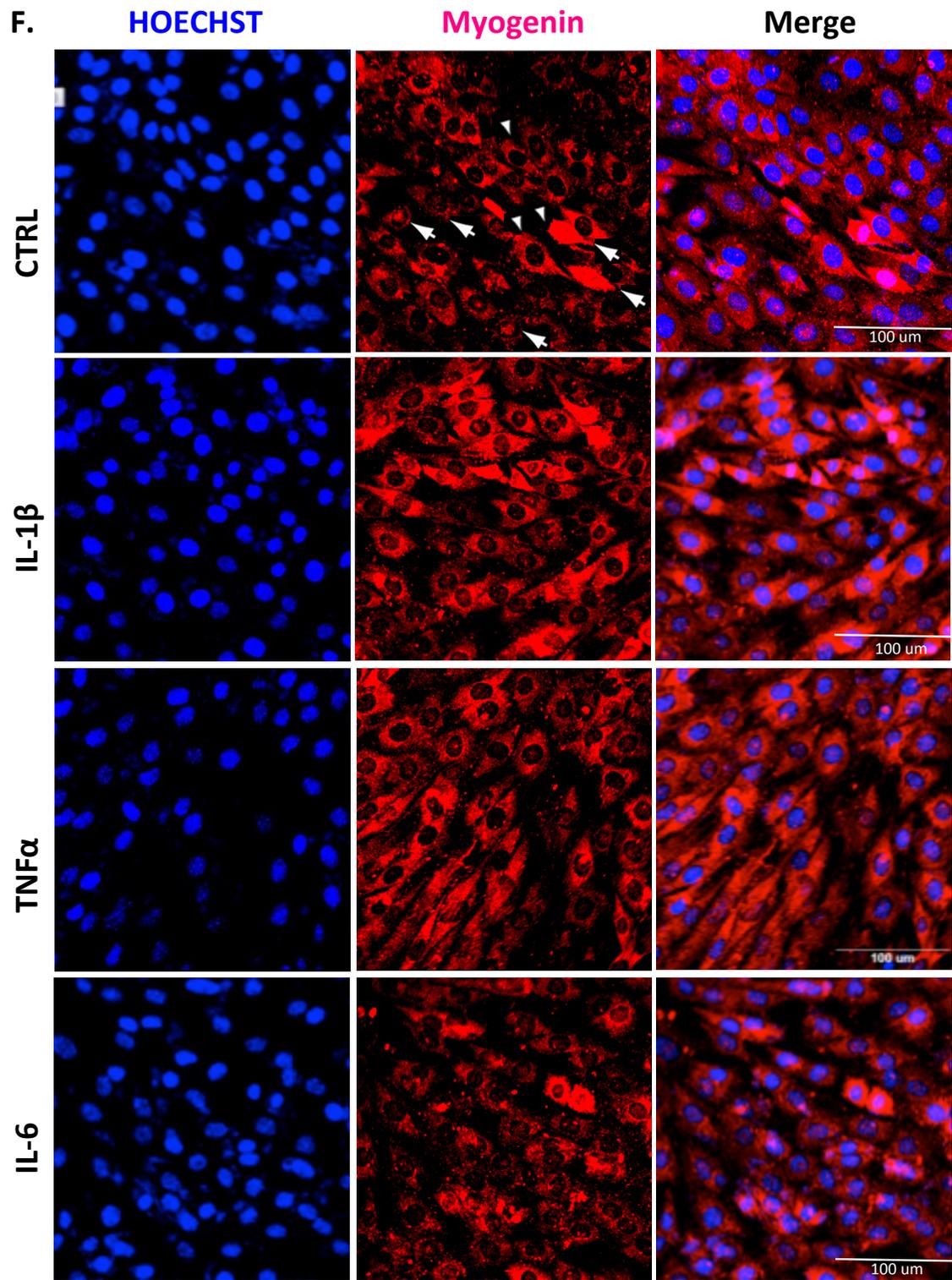


Figure S1, related to Figures 4A and 5A. Representative images of myogenic regulatory factors (MFRs) expression obtained by HCS for C2C12 cells (scale bar: 100 μm). Non-merged and merged images with Hoechst are presented for (A) Pax7, (B) Myf5, (C) MyoD and (D) myogenin at proliferated stage. Images for the commitment stage are presented for (E) MyoD and (F) myogenin. Examples for nuclear and cytoplasm localization of the MFRs are indicated by arrows and arrow-heads respectively, for the untreated cells (control).