

Supplementary Figures

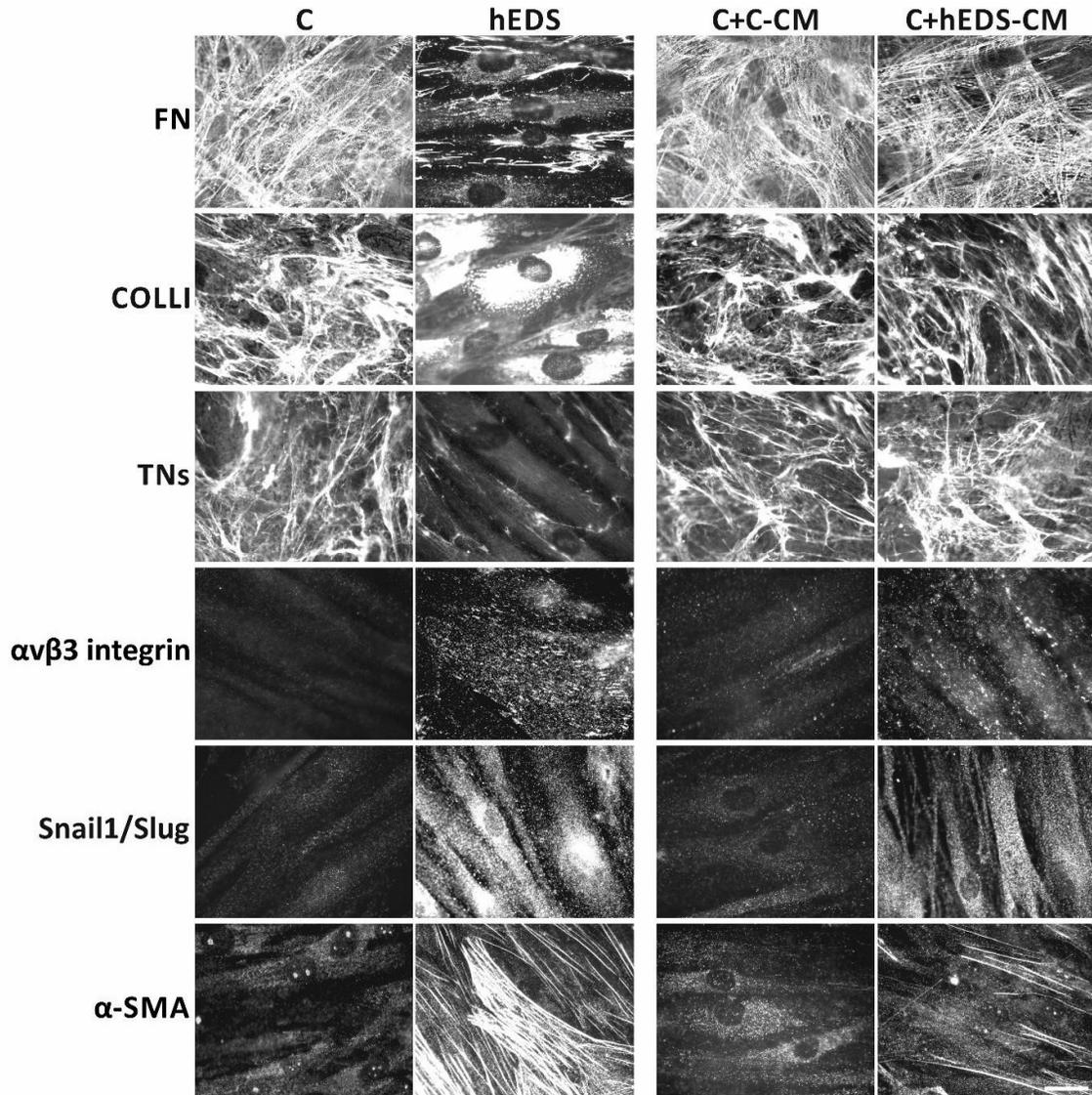


Figure S1. Proteolytic and differentiation potential of hEDS-CM. On the left: IF analyses of FN-, COLLI-, and TNs-ECM organization, $\alpha\text{v}\beta\text{3}$ integrin and Snail1/Slug transcription factor expression, and $\alpha\text{-SMA}$ cytoskeleton assembly in control (C) and patient (hEDS) dermal fibroblasts grown for 8 days (4 days for TNs and COLLI) in complete MEM. The images are representative of 6 different cell strains for each group. On the right: IF analyses of control dermal fibroblasts grown for 8 days (4 days for TNs and COLLI) in the presence of a pool of CM recovered from six 72 h-grown control (C + C-CM) and six hEDS (C + hEDS-CM) cell strains. Images are representative of three independent experiments. Scale bar: 12 μm .

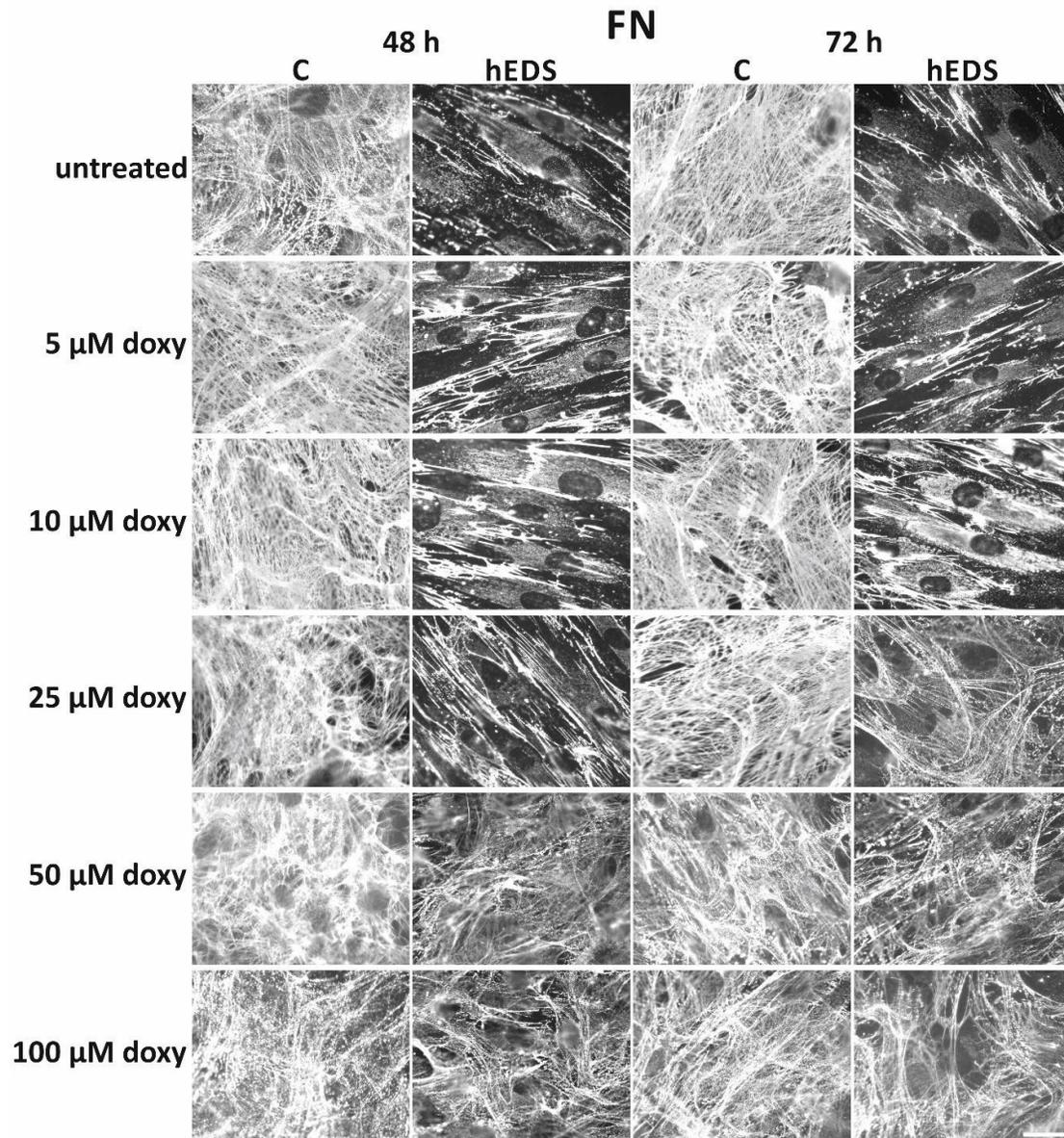


Figure S2. Doxycycline dose-response evaluation on FN-ECM organization in control (C) and hEDS cells grown for 48 and 72 h in complete MEM without or supplemented with increasing doxy concentrations. The images are representative of 6 different cell strains of each group. Scale bar: 12 μm.

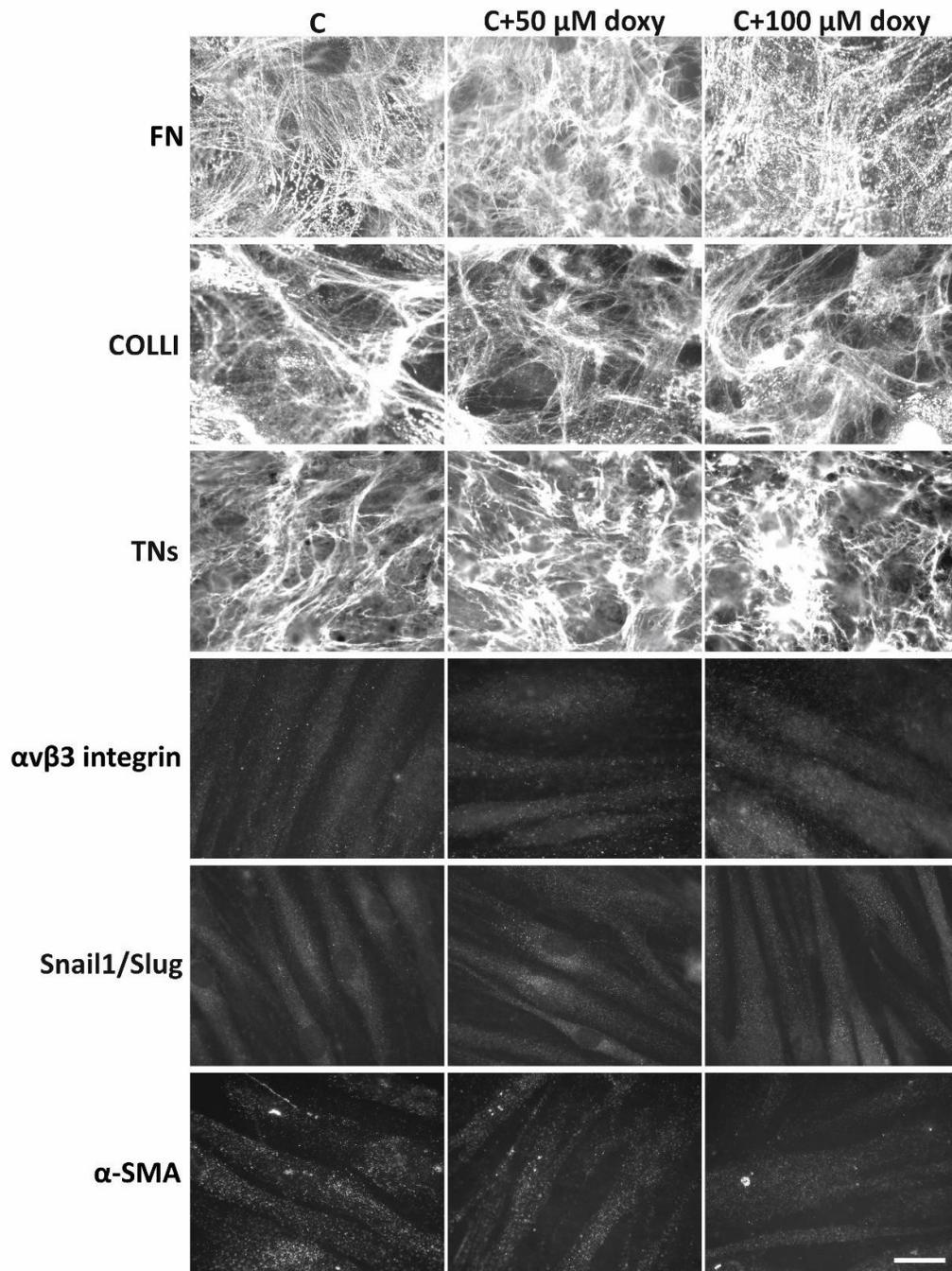


Figure S3. Doxycycline effect on ECM organization and myofibroblast differentiation in control cells. IF analyses of FN-, COLLI-, and TNs-ECM organization, $\alpha\beta$ 3 integrin and Snail1/Slug transcription factor expression, and α SMA cytoskeleton assembly in control fibroblasts untreated and treated with 50 and 100 μ M of doxy in complete MEM for 2 (FN and $\alpha\beta$ 3 integrin), 4 (COLLI and TNs), 6 (α -SMA), and 8 (Snail1/Slug) days. The images are representative of 6 different controls' cell strains. Scale bar: 12 μ m.