

Supplementary Information

Figure S1. Immunofluorescence staining of the hepatic functional protein, albumin (green excitation $\lambda = 448$ nm), in HepG2 cells cultured on (A) RGD TiO₂-nanograting pattern and (B) TiO₂-nanograting pattern alone and (C) RGD-flat surface compared to cells cultured on (D) Flat surface alone (control).

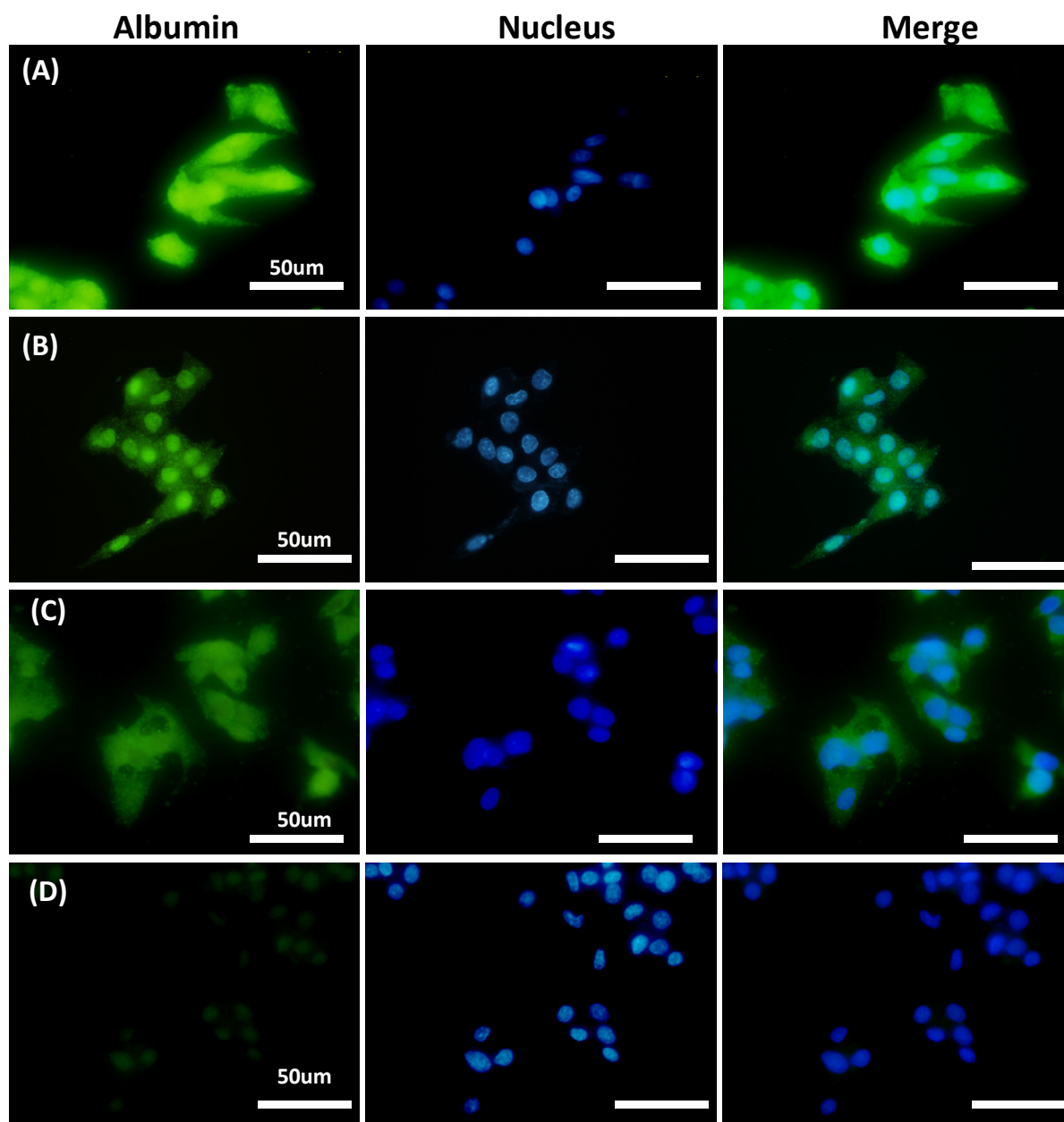


Figure S2. Immunofluorescence staining of the hepatic protein, transferrin (green excitation $\lambda = 448$ nm), and nucleus (blue) in HepG2 cells cultured on (A) RGD TiO₂-nanograting pattern and (B) TiO₂-nanograting pattern compared to cells cultured on (C) RGD-flat surface and (D) Flat alone (control).

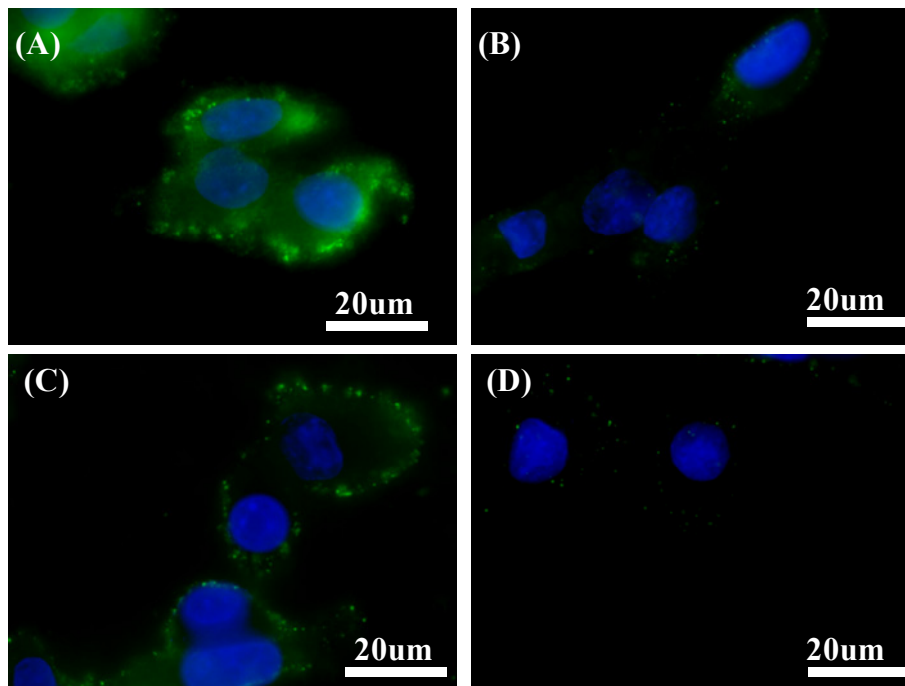


Figure S3. Immunofluorescence staining of the hepatic protein, cytochrome P450 (red excitation $\lambda = 578$ nm), in HepG2 cells cultured on (A) RGD TiO₂-nanograting pattern and (B) TiO₂-nanograting pattern; (C) RGD-flat surface compared to cells cultured on (C) and (D) control, arrow head indicates the red fluorescence of cytochrome P450 2C.

