



**Supplementary Figure 1.** Immunohistochemical staining of tumor-infiltrating immune cells; with total (CD3+) and cytotoxic (CD8+) T lymphocytes from tPD-L1 negative and positive HCC tissue samples ( $\times 100$ ). CD, cluster of differentiation; tPD-L1, PD-L1 levels in tissue; PD-1, programmed death-ligand 1, HCC, hepatocellular carcinoma.