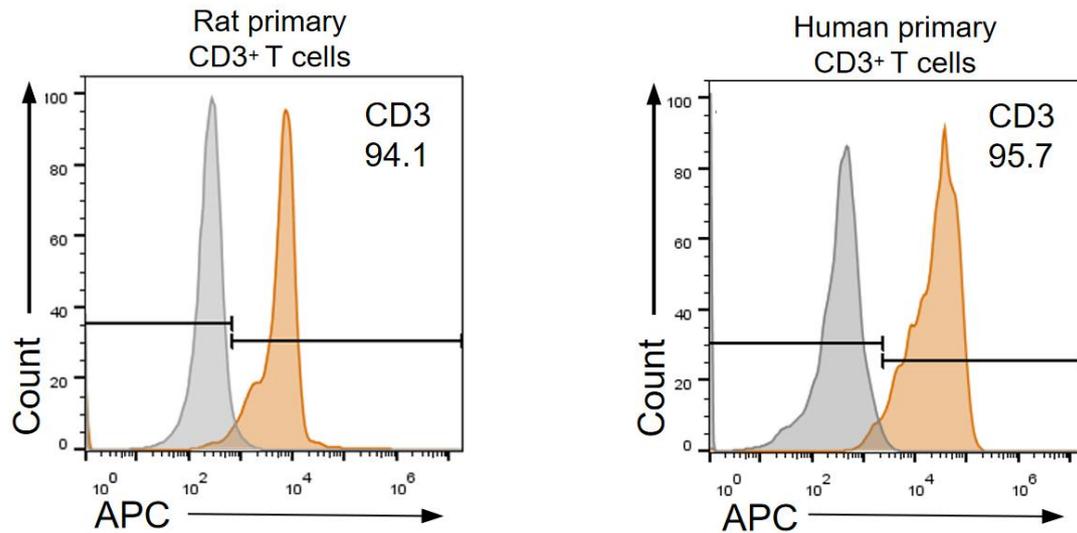
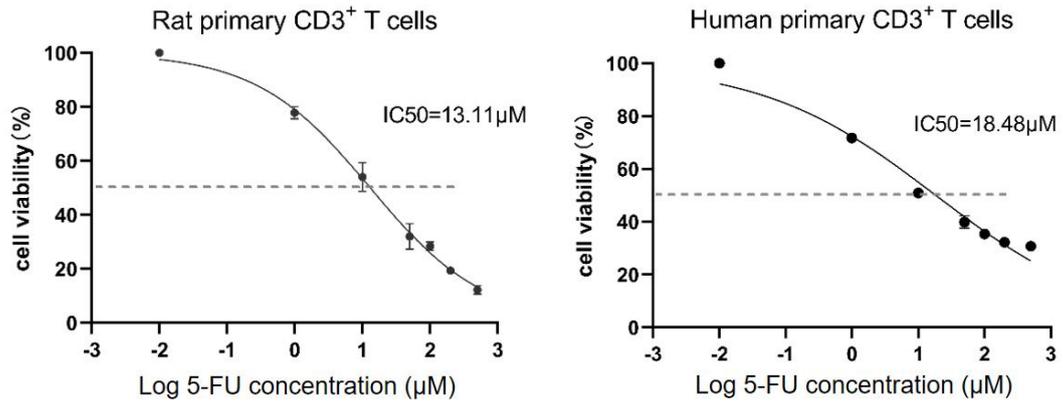


Supplementary Figure 1 Cytokine concentrations of peripheral blood and liver tissue in transplanted rats. Use Luminex assay to detect the concentrations of (A and G) IL-1beta, (B and H) IL-5, (C and I) IL-6, (D and J) IL-4, (E and K) IL-10, and (F and L) GRO/KC in peripheral blood and liver tissue. A and G: IL-1 β ; B and H: IL-5; C and I: IL-6; D and J: IL-4; E and K: IL-10; F and L: GRO/KC. CON: Control groups, rats received 0.9% normal saline for 7 d. MET: Metronomic capecitabine (CAP)-treated groups, rat received metronomic CAP (100 mg/kg/d) treated for 7 d. Statistical analysis was done by unpaired Students t-test, $n = 6$. Data are shown as mean \pm SD.



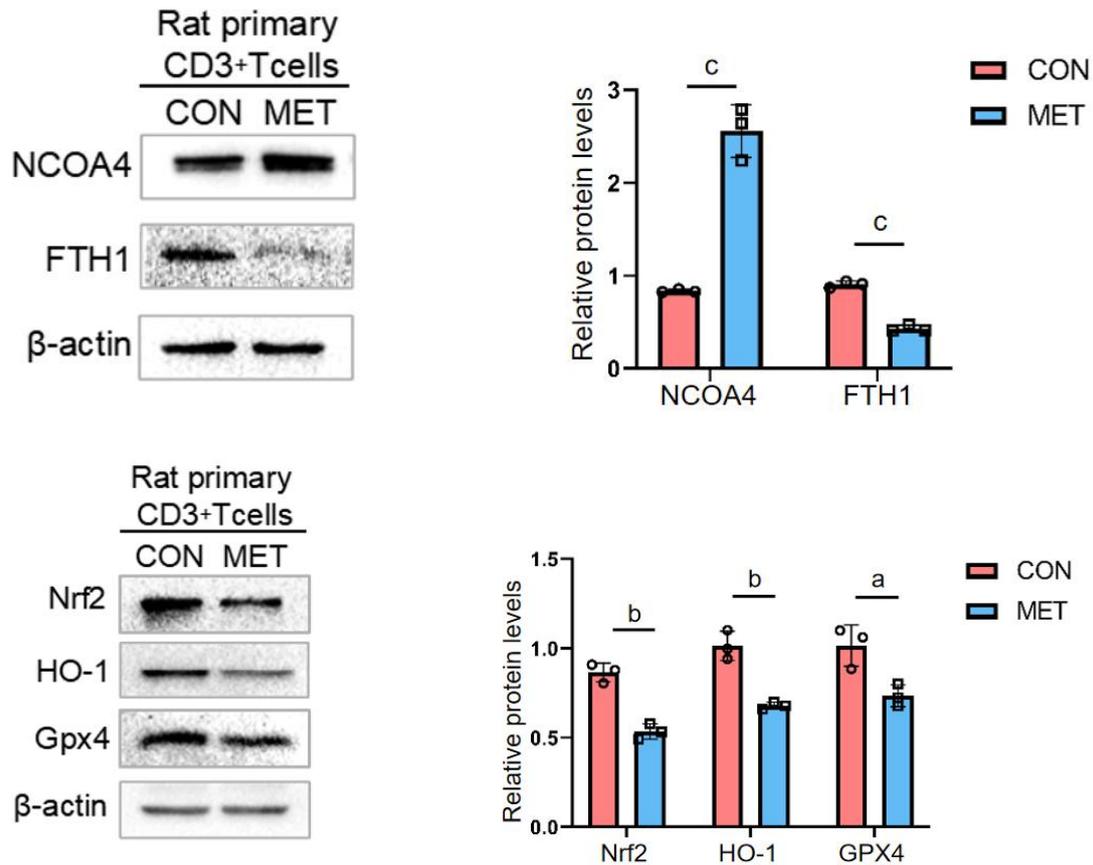
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Supplementary Figure 2 Determined the purity of the CD³⁺ T cells by fluorescence active cell sorter. Sort CD³⁺ T cells from the spleen of rat and the peripheral blood of human and determined the purity. Results showed that the purity of both rat primary CD³⁺ T cells and human primary CD³⁺ T cells were more than 90%.



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Supplementary Figure 3 Determined the IC₅₀ of rat primary CD³⁺ T cells and human primary CD³⁺ T cells for 5-FU.



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Supplementary Figure 4 Metronomic capecitabine regulates ferroptosis-related proteins in CD³⁺ T cells of recipient rats. CD³⁺ T cells were sorted by immunomagnetic beads from the peripheral blood of rats for further research in vitro. Levels of ferroptosis-related proteins NCOA4, FTH1, Nrf2, HO-1, and GPX4 were assessed by western blot. CON: Control groups, rats received 0.9% normal saline for 7 d. MET: Metronomic capecitabine (CAP)-treated groups, rats received metronomic CAP (100 mg/kg/d) treated for 7 days. Statistical analysis was done by unpaired Students t-test, $n = 6$. Data are shown as mean \pm SD; ^a $P < 0.05$, ^b $P < 0.01$, ^c $P < 0.001$. NCOA4: Nuclear receptor coactivator 4; FTH1: Ferritin heavy chain 1; Nrf2: Nuclear erythroid 2 p45-related factor 2; HO-1: Heme oxygenase-1; GPX4: Glutathione peroxidase 4.