

Figure S1 (A) The gating strategy of NK cells, CD4⁺ T cells and CD8⁺ T cells. (B) Flow cytometry shows the proportion of NK cells to CD45⁺ lymphocytes in healthy controls and liver transplantation.

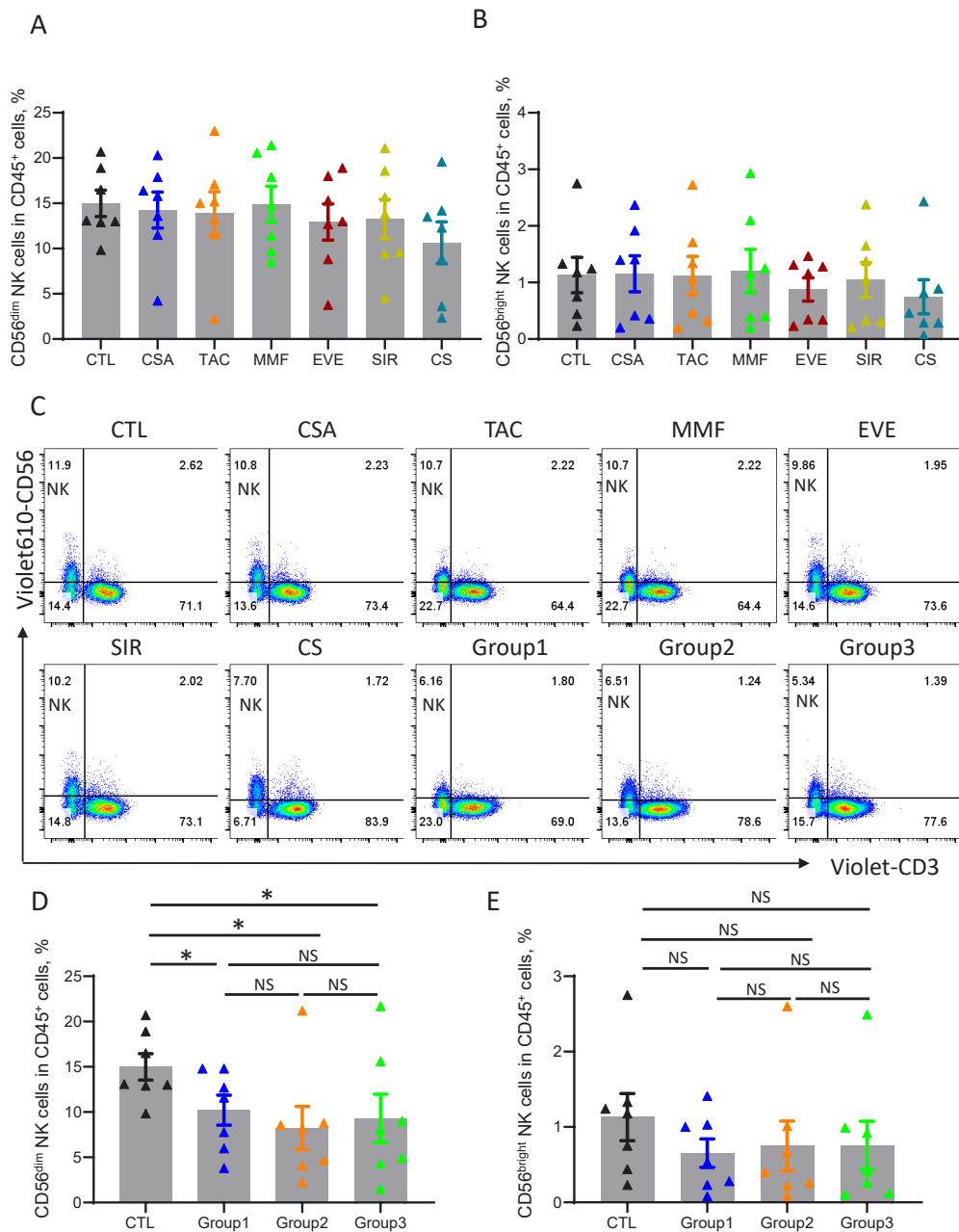


Figure S2 (A,B) Proportion of CD56 dim and CD56 bright NK cells by flow cytometry. PBMCs of healthy volunteers were exposed to single immunosuppressants (EVE, 5 ng/mL; SIR, 5 ng/mL; TAC, 5 ng/mL; CSA, 125 ng/ml; MMF, 15 µg/mL; CS, 0.5 µg/mL) for 3 days, the control group (CTL) did not contain immunosuppressive drugs but other culture conditions were the same. (C) Flow cytometry shows the proportion of NK cells in CD45⁺ cells after exposure to immunosuppressants. (D,E) Proportion of CD56 dim and CD56 bright NK cells by flow cytometry after exposure to combined immunosuppressants (Group 1: TAC, 5 ng/mL + MMF, 15 µg/mL + CS, 0.5 µg/mL; Group 2: TAC, 5 ng/mL + SIR, 5 ng/mL + CS, 0.5 µg/mL; Group 3: TAC, 5 ng/mL + EVE, 5 ng/mL + CS, 0.5 µg/mL) for 3 days, the control group (CTL) did not contain immunosuppressive drugs but other culture conditions were the same. n=7 for each group. All data were analysed by the mean ± SEM and *t*-test. *P<0.05, NS, not significant.

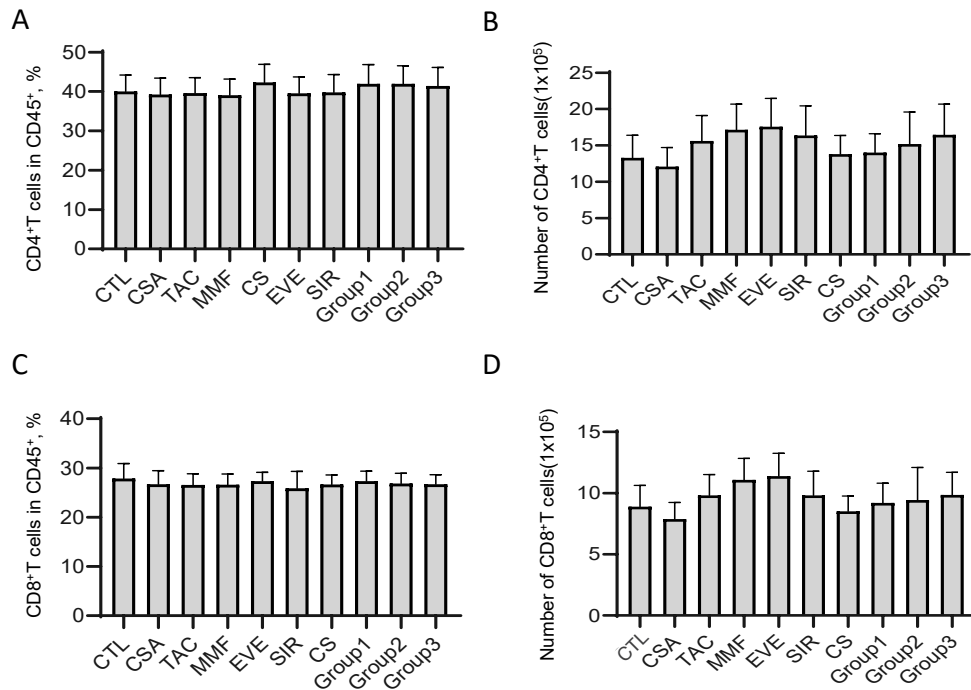


Figure S3 (A,B) Number and proportion of CD4⁺ T cells by flow cytometry after exposure to single immunosuppressants (EVE, 5 ng/mL; SIR, 5 ng/mL; TAC, 5 ng/mL; CSA, 125 ng/mL; MMF, 15 μg/mL; CS, 0.5 μg/mL) and combined immunosuppressants (Group 1: TAC, 5 ng/mL + MMF, 15 μg/mL + CS, 0.5 μg/mL; Group 2: TAC, 5 ng/mL + SIR, 5 ng/mL + CS, 0.5 μg/mL; Group 3: TAC, 5 ng/mL + EVE, 5 ng/mL + CS, 0.5 μg/mL) for 3 days, the control group (CTL) did not contain immunosuppressive drugs but other culture conditions were the same. (C,D) Number and proportion of CD8⁺ T cells by flow cytometry after exposure to immunosuppressants. n=4 for each group.

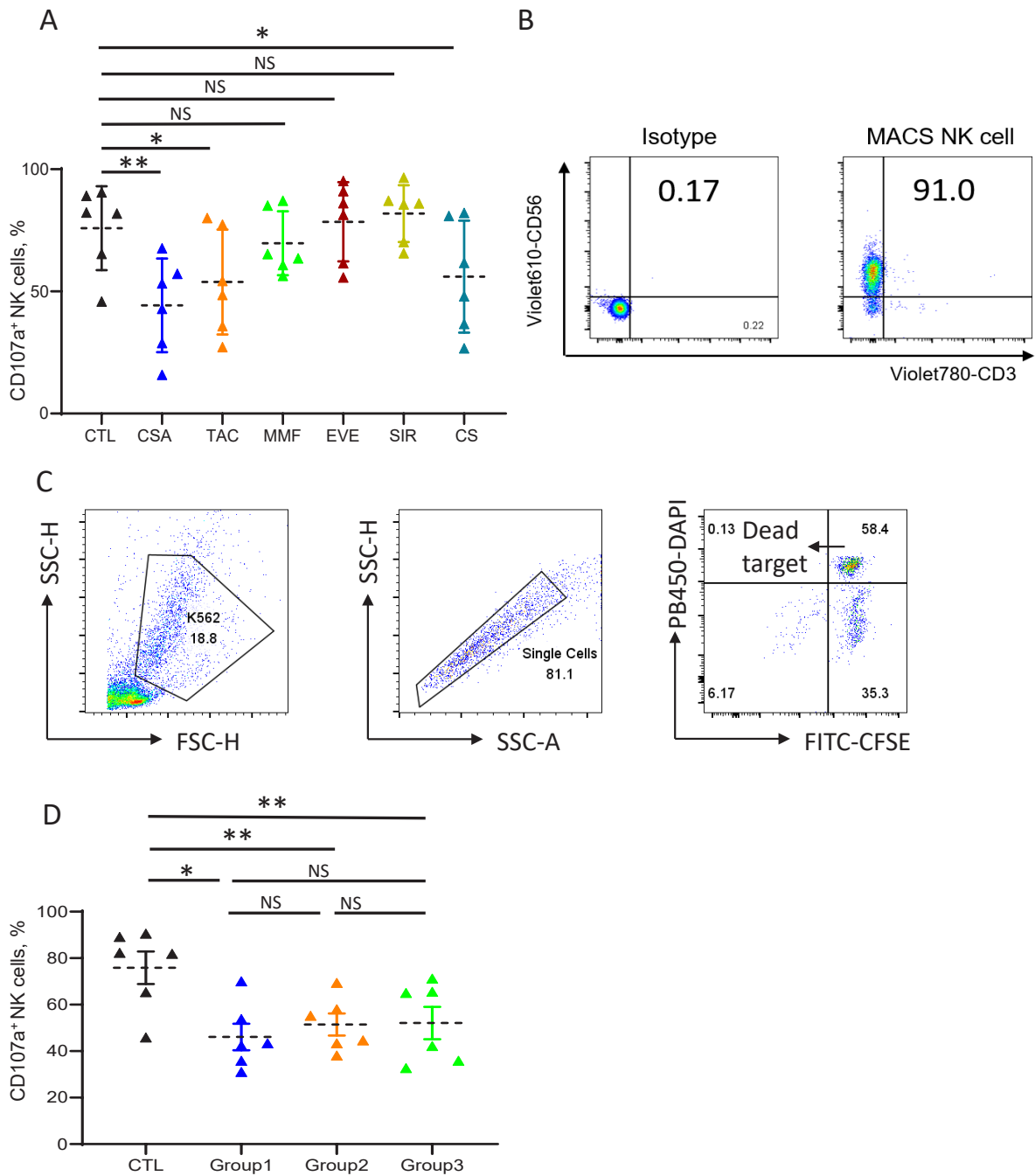


Figure S4 (A) Proportion of CD107a in NK cells by flow cytometry after exposure to single immunosuppressants (EVE, 5 ng/mL; SIR, 5 ng/mL; TAC, 5ng/mL; CSA, 125 ng/mL; MMF, 15 µg/mL; CS, 0.5 µg/mL) for 3 days, the control group (CTL) did not contain immunosuppressive drugs but other culture conditions were the same. All data were analysed by the mean ± SEM and t test. n=6 for each group. (B) Purity of NK cells sorted by magnetic-activated cell sorting (MACS). (C) Flow cytometry shows the gating strategy of cytotoxic activity. (D) Proportion of CD107a in NK cells by flow cytometry after exposure to combined immunosuppressants (Group 1: TAC, 5 ng/mL + MMF, 15 µg/mL + CS, 0.5 µg/mL; Group 2: TAC, 5ng/mL +SIR, 5 ng/mL + CS, 0.5 µg/mL; Group 3: TAC, 5 ng/mL + EVE, 5 ng/mL + CS, 0.5 µg/mL) for 3 days, the control group (CTL) did not contain immunosuppressive drugs but other culture conditions were the same. All data were analysed by the mean ± SEM and *t* test. n=6 for each group. **P*<0.05, ***P*<0.01, NS, not significant.