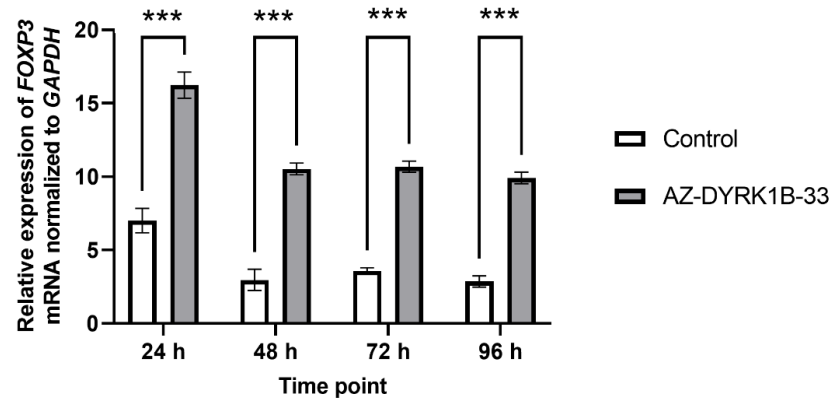


Supplementary Figure 1

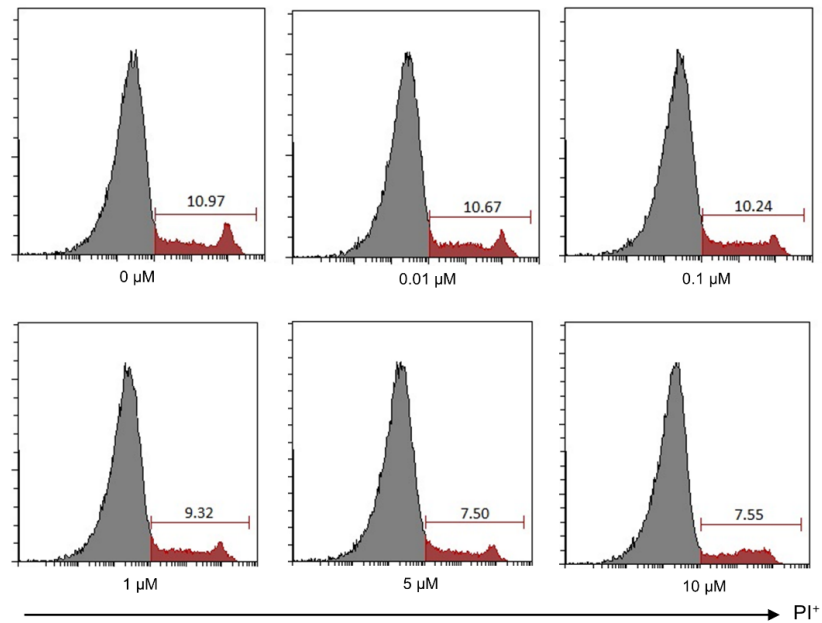
A



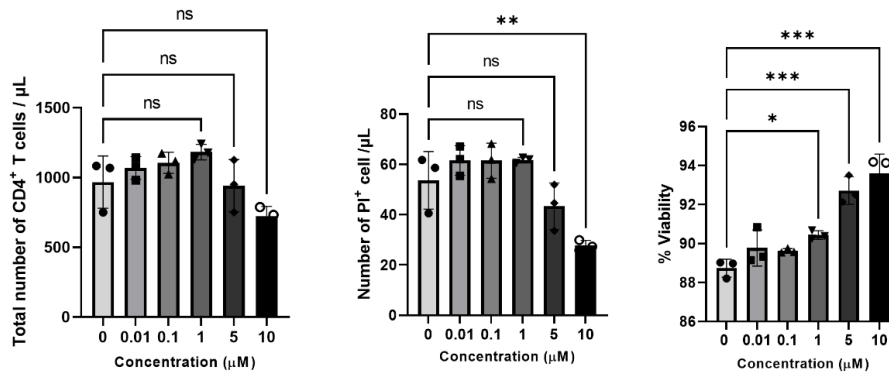
Supplementary Figure 1. *FOXP3* in human naïve $CD4^+$ T cell. **A,** Relative mRNA expression levels of *FOXP3* in human naïve $CD4^+$ T cell stimulated under Treg-polarizing conditions in the absence or presence of a selective DYRK1B inhibitor (AZ-DYRK1B-33, 1 μ M) for 24 to 96 h were analyzed by qRT-PCR.

Supplementary Figure 2

A



B



Supplementary Figure 2. Cell viability analysis. **A and B**, Human naïve CD4⁺T cells were stimulated with anti-CD3 and anti-CD28 and differentiated under Treg-polarizing conditions in the absence or presence of a selective DYRK1B inhibitor (AZ-DYRK1B-33) at 0.01, 0.1, 1, 5 and 10 μ M for 96 h. Propidium iodide (PI) was used for cell viability staining. Histogram represent data from triplicated samples analyzed by flow cytometry and are summarized as bar graph. Data represent mean $\pm$ SD * p < 0.05, ** p < 0.01, *** p < 0.001.