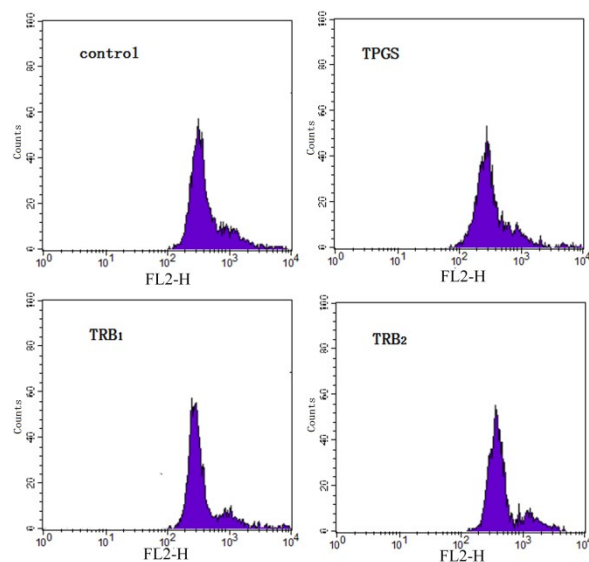


MCF-7/ADR cells were seeded into 12-well plates at 10 000 cells/well. The cells were then cultured overnight with the addition of TPGS (5 $\mu\text{g/mL}$), blank TRB NPs (10 $\mu\text{g/mL}$) to the cells followed by an incubation at 37 $^{\circ}\text{C}$ for 24 h. then, cells were collected, rinsed and resuspended in PBS (pH 7.4). The P-gp expression levels were measured by Phycoerythrin (PE)-anti-human MDR1 (CD243, P-gp, ABCB1, eBioscience, USA) tests instructed by the manufacturer.



Figs1 P-gp expression level in MCF-7/ADR cells incubated with TPGS, TRB₁ and TRB₂.

After 24 h incubation with TPGS, TRB₁ and TRB₂, The Fluorescent intensity of labeled P-gp showed no significant change, indicating that TPGS and TRB had no effect on P-gp expression level.