

AME100002 for Detection of antibody

internalization-SOP

1. AME100002 incubation with antibodies

- 1.1 Dissolve AME100002 in freeze-dried powder form according to COA using deionized water.
- 1.2 Mix the tested antibody with AME100002 in a mass ratio of 3.5:1 (molar ratio 1:2), and dilute the antibody with AME100002 mixture to twice the tested concentration using complete culture medium.
- 1.3 Incubate at room temperature in dark for 1 hour to obtain Ab-AME100002 complex 2X working solution.

2. Ab-AME100002 complex incubation with cells

- 2.1 Collect and wash cells, adjust cell concentration using complete culture medium. $1-2 \times 10^5$ cells/mL for suspend cells, $0.5-1 \times 10^5$ cells/mL for adherent cells. Add 100 μ L cell suspension to each hole of the 96 well plate.
- 2.2 Add 100 μ L Ab-AME100002 complex 2X working solution to each hole. Incubate in a 5% CO₂ incubator at 37 °C.

3. Flow cytometry detection

After incubation for 18-24 hours, the internalization effect of the antibody was detected by flow cytometry using FITC or AF488 channels.