

3. Vortex the pellets and resuspend cells in FACS Buffer at 20×10^6 cells/mL.
4. Transfer 100 μ L cell suspension ($<2 \times 10^6$ cells) per well of a round-bottomed 96-well plate or 500 μ L cell suspension ($>2 \times 10^6$ cells) to 5 mL FACS tubes.
5. Sediment the cells by centrifugation at 1400 rpm for 5 minutes (for plates, a quick spin up to 2500 rpm is sufficient) and discard the supernatant by decantation.
6. Perform the cell surface staining. Refer to the “Antibody staining of surface antigens” protocol for details. It is highly recommendable to stain cells with a Fixable Viability Dye during this step.
7. Add 100 μ L FACS Buffer per well (for plates) or 500 μ L FACS Buffer to tubes.
8. Sediment the cells by centrifugation at 1400 rpm for 5 minutes (for plates, a quick spin up to 2500 rpm is sufficient) and discard the supernatant by decantation.
9. Vortex the pellets and add 100 μ L per well (for plates) or 500 μ L to tubes of Foxp3 Fixation/Permeabilization working solution and homogenize by pipetting or by gently vortexing.
10. Incubate for 30-60 minutes at 2-8°C protected from light. Note: mouse samples can be incubated for up to 18 hours at 2-8°C in the dark.
11. Sediment the cells by centrifugation at 1400 rpm for 5 minutes (for plates, a quick spin up to 2500 rpm is sufficient) and discard the supernatant by decantation.
12. Vortex the pellets and add 100 μ L 1X Permeabilization Buffer per well (for plates) or 500 μ L Permeabilization Buffer to tubes.
13. Sediment the cells by centrifugation at 1400 rpm for 5 minutes (for plates, a quick spin up to 2500 rpm is sufficient) and discard the supernatant by decantation.
14. Vortex the pellets and add 20 μ L Fc Block (diluted in 1X Permeabilization Buffer) per well (for plates) or 80 μ L to tubes.
15. Incubate for 15 minutes at 4°C.
16. Without washing, add 5 μ L intracellular antibody mix (diluted in 1X Permeabilization Buffer at 1:20) per well (for plates) or 20 μ L FACS Buffer to tubes
17. 15. Incubate for 30 minutes at room temperature, protected from light.
18. Add 100 μ L 1X Permeabilization Buffer per well (for plates) or 500 μ L 1X Permeabilization Buffer to tubes.
19. Sediment the cells by centrifugation at 1400 rpm for 5 minutes (for plates, a quick spin up to 2500 rpm is sufficient) and discard the supernatant by decantation.
20. Vortex the pellets and repeat step 19.
21. Vortex the pellets and resuspend in ~300-500 μ L FACS Buffer (minimum volume recommended: 200 μ L).
22. Filter cells before for flow cytometry analysis using cell-strainers or tubes with filter-caps to remove any clumps that may be present.