Flow Cytometry for Cell Surface Epitopes

Cell Plating

Begin with a cell suspension of 0.5e6 cells/mL - 1.0e6 cells/mL

Antibody Staining

1. Dilute Cell Surface Bio Primary Antibody in blocking buffer (10% NGS recommended) to desired concentration (1ug/mL recommended)
2. Incubate cells with Cell Surface Bio Primary Antibody for 1 hour
3. Pellet and wash cells 2X with PBS -/-
4. Dilute Anti-mouse secondary antibody conjugated with fluorophore of your choice in blocking buffer.
5. Incubate cells with diluted secondary for 30 minutes
6. Pellet and wash cells 3X with PBS -/-
7. Monodisperse cells and then fix using 1-4% paraformaldehyde (PFA)
8. Pellet and wash 2X in PBS -/-
9. Resuspend in reading buffer and read on cytometer

Material

- Cell Surface Bio primary antibody
- Cells
- Blocking buffer (NGS)
- PBS -/-
- Fluorophore conjugated anti-mouse secondary antibody
- Paraformaldehyde (PFA)
- Cytometer