

Human CD4 Isolation Kit

Kit Contents (Cat #:KMS302)

- 1x Human CD4 Isolation Biotin Antibody Cocktail (Cat #:MS302A)
- 1x Streptavidin Magnetic Beads (Cat #:MS302B)



Protocol

1. Prepare a single cell suspension of 1×10^7 human PBMC in 100 μ L of Cell Separation Buffer (PBS, 0.1%BSA, 2mM EDTA).
2. Optional: add 0.5ug mouse IgG1 or 0.5ug Human Fc blocker and mix well. Incubate for 10 minutes at 4°C. Wash cells once with PBS and resuspend in 100 μ L Cell Separation Buffer.
3. Add 30 μ L Human CD4 Isolation Biotin Antibody Cocktail (MS302A) and mix well. Incubate for 30 minutes at 4°C.
4. Wash cells once with PBS and resuspend in 100 μ L Cell Separation Buffer. Add 30 μ L Streptavidin Magnetic Beads (MS302B) to each tube. Incubate for 30 minutes at 4°C.
5. After incubation, add 2 mL PBS to each tube and put the tube(s) on the magnet for 10 minutes. Carefully collect supernatants and avoid touching magnetic beads in the tube.
6. Optional: repeat steps 3-5 to improve purity.
7. The supernatant contains untouched human CD4 positive cells. Flow Cytometry analysis is recommended to check purity.