

Mouse Lineage Depletion Kit

Kit Contents (Cat #:KMS301)

- 1x Mouse Lineage Depletion Biotin Antibody Cocktail (Cat #:MS301A)
- 1x Streptavidin Magnetic Beads (Cat #:MS301B)



Protocol

1. Prepare single cell suspension of mouse bone marrow, suspend 1×10^7 cells in 100 μ L Cell Separation Buffer (PBS, 0.1%BSA, 2mM EDTA).
2. Optional: add 0.5ug rat IgG or 0.5ug Mouse 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 Mouse Lineage Depletion Biotin Antibody Cocktail (MS301A) 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 (MS301B) 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 mouse hematopoietic progenitor cells. Flow Cytometry analysis is recommended to check purity.