

# Human CD8 Memory T Cell Isolation Kit

## Kit Contents (Cat #:KMS307)

- 1x Human CD8 Memory T Cell Isolation Biotin Antibody Cocktail (Cat #:MS307A)
- 1x Streptavidin Magnetic Beads (Cat #:MS307B)



## Protocol

1. Prepare a single cell suspension of  $1 \times 10^7$  human PBMC in 100  $\mu$ L of Cell Separation Buffer (PBS, 0.1%BSA, 2mM EDTA).
2. Add 30  $\mu$ L Human CD8 Memory T Cell Isolation Biotin Antibody Cocktail (MS307A) and mix well. Incubate for 30 minutes at 4°C.
3. Wash cells once with PBS and resuspend in 100  $\mu$ L Cell Separation Buffer. Add 30  $\mu$ L Streptavidin Magnetic Beads (MS307B) to each tube. Incubate for 30 minutes at 4°C.
4. 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.
5. Optional: repeat steps 2-4 to improve purity.
6. The supernatant contains untouched human CD8+CD45RO+ memory T cells. Flow Cytometry analysis is recommended to check purity.