

Human CD4 Memory T Cell Isolation Kit

Catalog Number:KMS305

Description

Memory T cells are antigen-exposed T lymphocytes which would mediate fast and robust response upon repeat encounter with antigen. Human CD4 Memory T Cell Isolation kit is designed to isolate untouched CD4+ memory T lymphocytes which contains a biotin labeled antibody cocktail and streptavidin conjugated magnetic beads. Through incubation of samples with biotin antibody cocktail followed by incubation of streptavidin beads, the magnetically labeled non CD4+ memory cells will be retained in the tube by magnetic separator. The untouched CD4+ T memory cells are collected in supernatant. Any downstream application can be performed on CD4+ memory cells after separation, such as Flow Cytometry and in vitro culture.

Components

KMS305-10:
 ·MS305A-10: 300 µL Human CD4 Isolation Biotin Antibody Cocktail (CD8, CD19, CD14, CD56, CD45RA, CD20, CD11b, CD16, CD36, CD235a, CD123, TCR γ δ)
 ·MS305B-10: 300µL streptavidin magnetic beads
 KMS305-100:
 ·MS305A-100: 3mL Human CD4 Isolation Biotin Antibody Cocktail (CD8, CD19, CD14, CD56, CD45RA, CD20, 11b, CD16, CD36, CD235a, CD123, TCR γ δ)
 ·MS305B-100: 3mL streptavidin magnetic beads

Package

10test/100test

Storage

2-8°C

Storage buffer

PBS, pH7.4, 0.2% BSA and 0.05% Sodium Azide

Reactivity

Human

Beads diameter

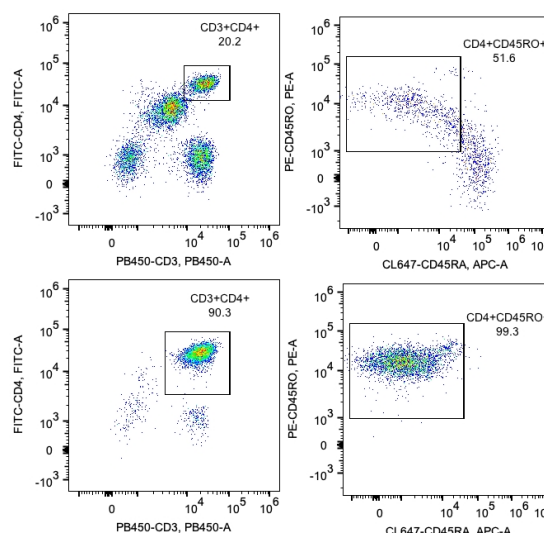
2.7 µm

Recommend usage

30µL biotin labeled antibody cocktail and 30µL streptavidin beads for 1×10^7 cells

Results

Representative example of enrichment



For technical support and original validation data for this product please contact: Proteintech Group brand and is not available to
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 Following cell separation, cell suspension was stained with PB450-CD3 (UCHL1), FITC-CD4 (OKT4), PE-CD45RO (UCHL1) and CL647-CD45RA (HI100) antibodies. All viable cells are gated in the analysis (left upper panel: CD3+CD4+ cells before selection; right upper panel: CD45RO+ cells within CD4+ cells. Left lower panel: CD3+CD4+ cells after selection; right lower panel: CD45RO+ cells within CD4+ cells. Human CD4 memory T cell isolation kit is tested using PBMC from three donors.