

For Research Use Only

# Human CD3 T Cell Isolation Kit

Catalog Number: KMS309



[www.ptglab.com](http://www.ptglab.com)

## Description

CD3 is a multimeric protein associated with T cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction. Human CD3 T Cell Isolation kit is designed to isolate untouched CD3 T cells 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-CD3 cells will be retained in the tube by magnetic separator. The untouched CD3 T cells are collected in supernatant. Any downstream application can be performed on CD3 T cells after separation, such as Flow Cytometry and in vitro culture.

## Components

KMS309-10:

- MS309A-10: 300µL Human CD3 T Cell Isolation Biotin Antibody Cocktail (CD14, CD15, CD19, CD56, CD36, CD235a, CD123)
- MS309B-10: 300µL streptavidin magnetic beads

KMS309-100:

- MS309A-100: 3mL Human CD3 T Cell Isolation Biotin Antibody Cocktail (CD14, CD15, CD19, CD56, CD36, CD235a, CD123)
- MS309B-100: 3mL streptavidin magnetic beads

## Package

10test/100test

## Storage

2-8°C

## Reactivity

Human

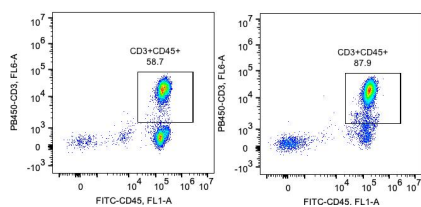
## Beads diameter

2.7 µm

## Recommend usage

30µL biotin labeled antibody cocktail and 30µL streptavidin beads for  $1 \times 10^7$  cells

## Validation Data



**Representative example of enrichment:** Following cell separation, cell suspension was stained with PB450-CD3 (UCHT1) and FITC-CD45 (HI30) antibodies. All viable cells are gated in the analysis. Left upper panel: CD3+CD4+ cells before selection; right upper panel: CD3+CD4+ cells after selection. Human CD3 T cell selection kit is tested... using PBMC from three donors.

For technical support and original validation data for this product please contact

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