For Research Use Only

Human CD8 T Cell Isolation Kit

Catalog Number: KMS303

www.ptgcn.com

Description

CD8 is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within immune system. CD8 acts as a coreceptor with T cell receptor on T lymphocyte to recognize antigens displayed by antigen presenting cell in the context MHC II molecules. 10%-30% human lymphocytes are CD8 positive. Human CD8 T Cell Isolation Kit is designed to isolate untouched CD8+ T toxicity 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 CD8+ cells will be retained in the tube by magnetic separator. The untouched CD8+ T toxicity cells are collected in supernatant. Any downstream application can be performed on CD8+ cells after separation, such as Flow Cytometry and in vitro culture.

Components

KMS303-10:
· MS303A-10: 300 µL Human CD8 T Cell Isolation biotin labeled human CD8 selection antibody cocktail (CD4, CD19, CD14, CD56, CD20, CD11b, CD16, CD36, CD235a, CD123, TCR)
· MS303B-10: 300µL streptavidin magnetic beads
KMS303-100:
· MS303A-100: 3mL Human CD8 T Cell Isolation biotin labeled human CD8 selection antibody cocktail (CD4, CD19, CD14, CD56, CD20, CD11b, CD16, CD36, CD235a, CD123, TCR)
· MS303B-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

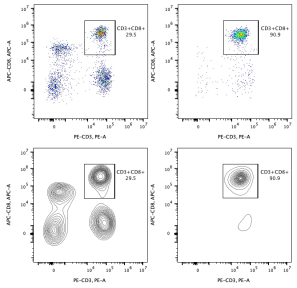
Reactivity

Human

Recommend usage

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

Results



Representative example of enrichment: Following cell separation, cell suspension was stained with FITC-CD45(F10-89-4), PE-CD3(UCHT1) and APC-CD8(OKT8) antibodies. All CD45+ cells are gated in the analysis. Left panel: CD3+CD8+ cells before selection. Right panel: CD3+CD8+ cells after selection. Human CD8 T Cell Isolation Kit is tested... using PBMC from three donors.