

# Human NK Cell Isolation Kit

Catalog Number: KMS308

## Description

Natural Killer cells, also as known as NK cells, are a type of cytotoxic lymphocyte belong to the innate immune system which are important to adaptive immune response in vertebrate. Around 5-20% of all circulating lymphocytes are NK cells in human. Human NK Cell Isolation kit is designed to isolate untouched NK 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-NK cells will be retained in the tube by magnetic separator. The untouched NK cells are collected in supernatant. Any downstream application can be performed on NK cells after separation, such as Flow Cytometry and in vitro culture.

## Components

KMS308-10:

-MS308A-10: 300 µL Human NK Cell Isolation Biotin Antibody Cocktail (CD3, CD4, CD8, CD19, CD14, CD56, CD279, CD36, CD235a, CD123)

-MS308B-10: 300µL streptavidin magnetic beads

KMS305-100:

-MS308A-100: 3mL Human NK Cell Isolation Biotin Antibody Cocktail (CD3, CD4, CD8, CD19, CD14, CD56, CD279, CD36, CD235a, CD123)

-MS308B-100: 3mL streptavidin magnetic beads

## Package

10test/100test

## Storage buffer

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

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

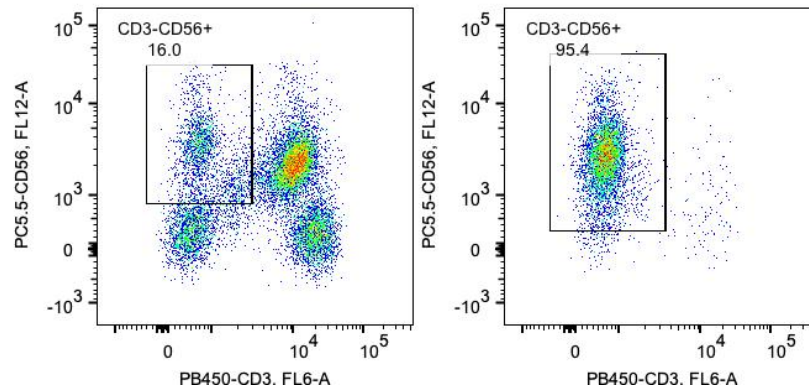
T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or 1(312) 455-8498(outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Validation Data

Representative example of enrichment



Following cell separation, cell suspension was stained with PB450-CD3(UCHT1), FITC-CD45(HI30), and PerCP-Cy5.5-CD56(MEM18) antibodies. All viable CD45+ cells are gated in the analysis. Left panel: CD3-CD56+ NK cells before selection; right panel CD3-CD56+ NK cells after selection. Human NK cell isolation kit is tested using PBMC from three donors.

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

T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or 1(312) 455-8498(outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.