

For Research Use Only

# Human CD19 Magnetic Beads Kit

Catalog Number: KMS004



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

## Description

CD19 is a 95kDa, type I transmembrane glycoprotein member of the immunoglobulin superfamily. It is expressed by B cells and follicular dendritic cells and regulates B-lineage commitment during hematopoietic stem cell differentiation. 6%-23% human PBMC are CD19 positive. Human CD19 Magnetic Beads Kit can be used for isolation or depletion of human CD19 B lymphocytes from PBMC, whole blood, or other sample types. Following incubation with biotinylated human CD19 antibody and Streptavidin magnetic beads, the cell sample is placed on a magnet. CD19+ cells remain attached to magnetic beads after separation and can be used for downstream applications, such as in expansion of cells, but are not suitable for flow cytometry analysis. CD19- cells remain in supernatant and can also be used for further applications.

## Components

KMS004-10:

- MS001-10: 100µL 10mg/mL streptavidin magnetic beads
- MS65197-10: 100µL 0.1mg/mL Biotin-CD19 (clone: 4G7)

KMS004-100:

- MS001-100: 1mL 10mg/mL streptavidin magnetic beads
- MS65197-100: 1mL 0.1mg/mL Biotin-CD19 (clone: 4G7)

## Package

10test/100test

## Storage

2-8°C

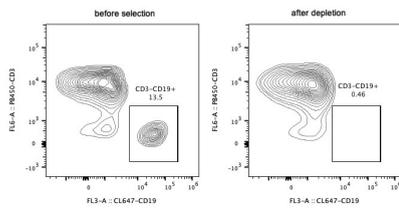
## Reactivity

Human

## Recommend usage

10µL Biotin-CD19 antibody and 10µL streptavidin beads for  $1 \times 10^7$  cells.

## Validation Data



**Representative example of enrichment and depletion:** Following depletion of CD19+ cells, supernatant suspension was stained with PB450-CD3 (clone: HIT3a) and CL647-CD19 (clone SJ25C). CD45+ cells are gated in the analysis. Left panel: CD3-CD19+ cells before selection. Right panel: CD3-CD19+ cells after depletion. Human CD19... magnetic bead kit is tested using PBMC from three different 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)

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