

# Human T Cell Isolation Kit

with BACS™ Microbubbles

Negative Selection  
from Human MNCs  
Capacity: 1 billion cells



AKADEUM  
LIFE SCIENCES



## Isolate More Cells for Better Results

The Human T Cell Isolation Kit delivers a high yield of a highly pure population of T cells from human mononuclear cells (MNCs) that is ready for downstream use. The BACS™ Microbubble workflow is exceptionally gentle on cells, helping to maintain the health and physiology of T cells.

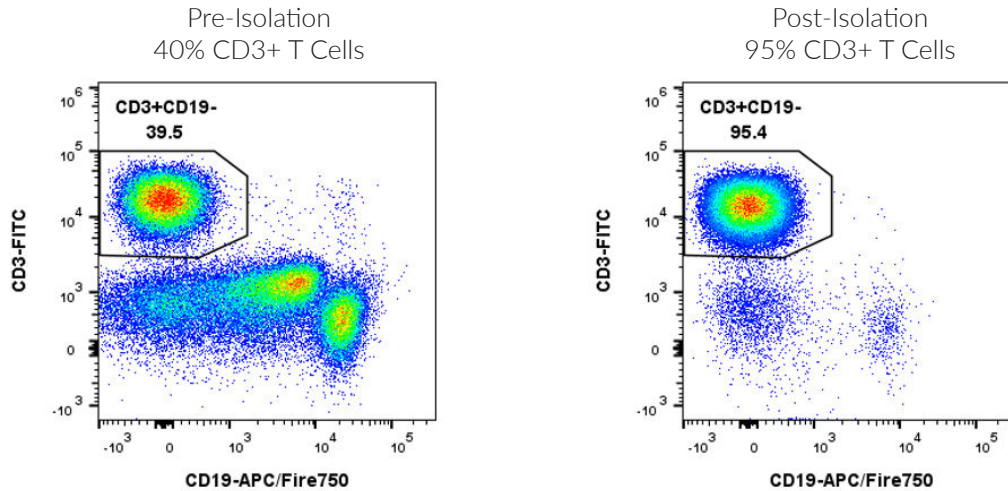
## Why BACS™ Microbubbles?

- Gentle on cells Uses the power of buoyancy to quickly separate unwanted cells via flotation.
- Magnet-free, column-free Cells are not subjected to harsh magnetic or shear forces.
- Simple workflow Process unlimited samples simultaneously - doesn't require additional equipment.
- Reliable and consistent High-quality, reproducible results with cells ready for all downstream experiments.

# High Purity, High Yield, Better Cells

## Human T Cell Enrichment

Isolation of human T cells from MNCs was performed using the Human T Cell Isolation Kit. Cells were labeled with CD19-APC/Fire750 and CD3-FITC.



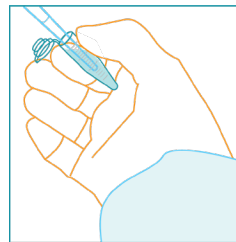
## How it Works

The Human T Cell Isolation Kit uses streptavidin-conjugated BACS™ Microbubbles and biotinylated antibodies to remove unwanted cells and effectively enrich T cells.

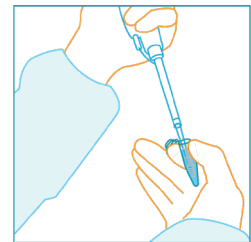
Non-T cells are labelled with an optimized cocktail of antibodies targeting CD14, CD16, CD19, CD20, CD36, CD56, CD123, and CD235ab, and subsequently mixed with BACS™ Microbubbles.

Microbubble-bound cells float to the top of the container for rapid removal without a column or magnet. A high yield of a highly pure population of human T cells is left untouched and ready for downstream applications.

### 1 Label Cells



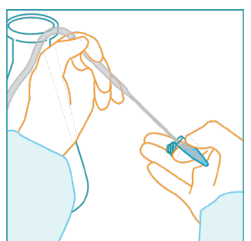
### 2 Add Microbubbles



### 3 Centrifuge



### 4 Aspirate Microbubbles



Human T Cell Isolation Kit

SKU: 13210-120