

Human B 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 B Cell Isolation Kit delivers a high yield of a highly pure population of B 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 B cells.

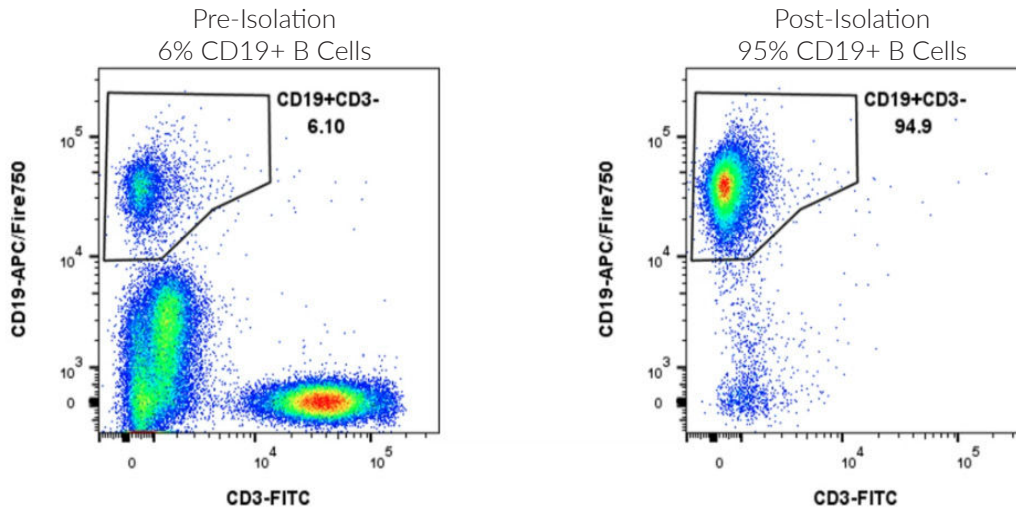
Why BACS™ Microbubbles?

- **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 B Cell Enrichment

Untouched B cells were isolated from MNCs using the Human B Cell Isolation Kit. Cells were labeled with CD3-FITC and CD19-APC/Fire750.



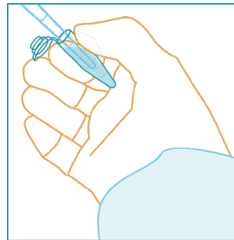
How it Works

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

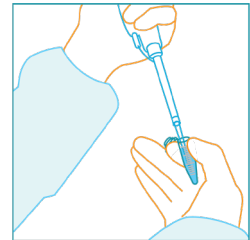
Non-B cells are labelled with an optimized cocktail of antibodies targeting CD2, CD3, CD14, CD15, CD16, CD36, CD43, CD56, CD57, CD123, CD161, CD235ab, CD314, and subsequently mixed with BACSTM Microbubbles.

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 B cells is left untouched and ready for downstream applications.

1 Label Cells



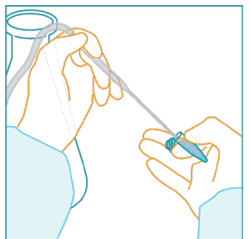
2 Add Microbubbles



3 Centrifuge



4 Aspirate Microbubbles



Human B Cell Isolation Kit

SKU: 13210-110