

CD34 protein-coupled magnetic MicroBeads

Cat. No. CD34-942M Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 2×10^9 total cells

Background

CD34 is a well-established marker of human hematopoietic stem and progenitor cells and additionally expressed on hemangioblasts, endothelial progenitor cells, and mature endothelial cells.

The CD34 MicroBead Kit UltraPure contains MicroBeads directly conjugated to CD34 antibodies for magnetic labeling of CD34-expressing cells from peripheral blood, cord blood, bone marrow, or apheresis harvest. Hematopoietic progenitors present at a frequency of 0.05-0.2% among peripheral blood mononuclear cells (PBMCs), 0.1-0.5% among cord blood mononuclear cells (MNCs) or 0.5-3% among bone marrow MNCs can be rapidly and efficiently enriched.

The CD34 MicroBead Kit UltraPure is suited for all routine CD34+ cell isolations. In addition, its unique formulation provides particular advantages with debris-rich sample material.

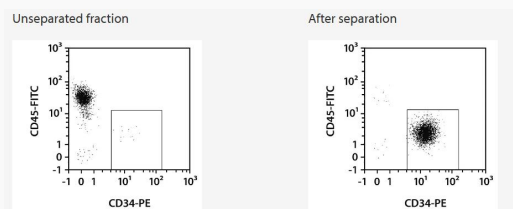
Control staining of cells isolated with the CD34 MicroBead Kit requires a monoclonal CD34 antibody other than QBEND/10, e.g., clone AC136.

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Analysis



Isolation of CD34+ cells from a debris-rich PBMC sample. Cells were stained with CD34-PE, CD45-FITC and Propidium Iodide Solution. Cells before and after separation were analyzed by gating on PI-, lymphoid cells.

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