

Whole Blood CD8 protein-coupled magnetic MicroBeads

Cat. No. CD8-20342M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 40 mL whole blood

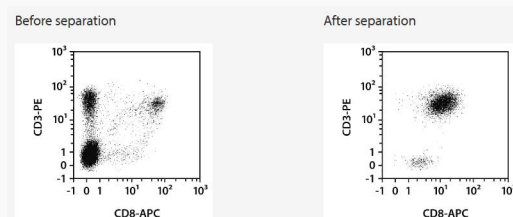
Background

StraightFrom Whole Blood CD8 MicroBeads were developed for rapid positive selection of CD8+ cells directly from whole blood or bone marrow. No sample preparation is required, including density gradient centrifugation or erythrocyte lysis.

Application

StraightFrom Whole Blood MicroBeads allow the fast isolation of CD8+ cells directly from whole blood or bone marrow, thus minimizing hands-on time and maximizing yield of target cells. StraightFrom Whole Blood MicroBeads in combination with the autoMACS Pro Separators allow standardization of the cell separation procedure and safe handling of hazardous samples. The purified CD8+ cells are well-suited for further flow cytometric, functional, or molecular analysis including lineage-specific chimerism analysis after allogeneic stem cell transplantation.

Analysis



Separation of a whole blood sample using the StraightFrom Whole Blood CD8

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

MicroBeads and the MultiMACS Cell24 Separator Plus with the Single-Column Adapter and Whole Blood Columns without washing step after labeling. Unlysed cells were fluorescently stained with CD3-PE, CD8-APC, as well as CD45-VioBlue and analyzed by flow cytometry using the MACSQuant Analyzer. Cells were triggered via CD45-VioBlue, cell debris and dead cells were excluded from the analysis based on scatter signals and propidium iodide fluorescence.

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