

Whole Blood and Bone Marrow CD138 protein-coupled magnetic MicroBeads

Cat. No. CD138-4029M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 40 mL whole blood

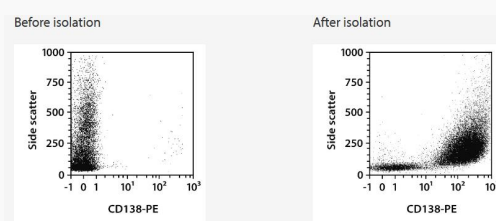
Background

The CD138 antigen, also known as syndecan-1, is primarily found on normal and malignant plasma cells in the bone marrow. In the peripheral blood of healthy donors approximately 50% of plasma cells express this antigen. The CD138 antigen is not expressed by naive B cells, germinal center B cells, memory B cells, T cells, or monocytes.

Application

Isolation of CD138+ cells from whole blood or bone marrow. The purified CD138+ cells are well suited for further flow cytometric, functional, or molecular analysis such as FISH, PCR analysis, microarrays, and protein analysis, and for analysis of cell surface markers or intracellular antigens, for example immunoglobulin light chains.

Analysis



Separation of a whole blood sample spiked with U266 cell line (0.5%) using the

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StraightFrom Whole Blood and Bone Marrow CD138 MicroBeads, the Whole Blood Column Kit, and an MS Column. Cells were fluorescently stained with CD45-FITC, CD138-PE, and CD19-APC and analyzed by flow cytometry using the MACSQuant Analyzer. Cell debris, dead cells, and CD45- cells were excluded from the analysis based on scatter signals and propidium iodide fluorescence.

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