

CD3E protein-coupled magnetic MicroBeads

Cat. No. CD3E-039M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Mouse

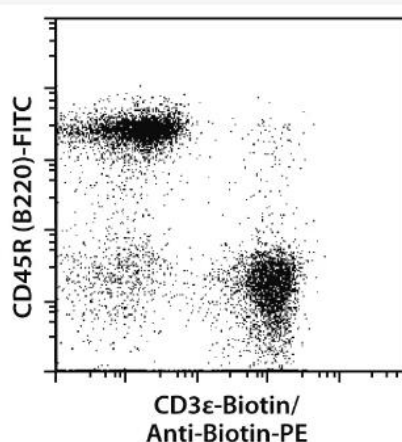
Capacity for 1×10^9 total cells

Background

CD3 ϵ is a 20 kDa transmembrane protein and subunit of the TCR complex. Along with the γ and δ subunits of CD3, the ϵ chain is required for assembly and surface expression of the TCR complex. CD3 is expressed on thymocytes, mature T lymphocytes, and natural killer T (NKT) cells. With the CD3 ϵ MicroBead Kit, mouse T lymphocytes and NKT cells can be depleted from various tissues including spleen, thymus, or lymph nodes.

Analysis

PBMCs before separation



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A single-cell suspension from mouse spleen was prepared using the gentleMACS Dissociator. CD3 ϵ cells were depleted from this suspension using the CD3 ϵ MicroBead Kit, an LD Column, and a MidiMACS Separator. Cells were fluorescently stained with CD45R (B220)-FITC and Anti-Biotin-PE, and analyzed using the MACSQuant Analyzer.

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