

## CD3E protein-coupled magnetic MicroBeads

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

### SPECIFICATION

#### Product Overview

**Species**                      Mouse

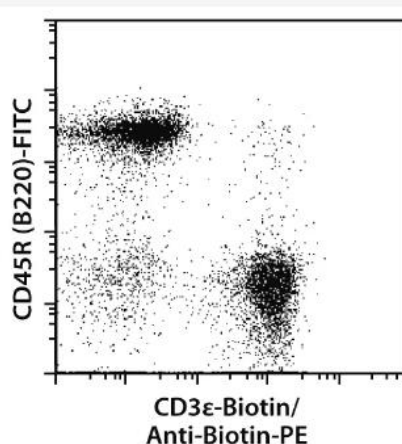
**Capacity**                      for  $1 \times 10^9$  total cells

#### Background

CD3 $\epsilon$  is a 20 kDa transmembrane protein and subunit of the TCR complex. Along with the  $\gamma$  and  $\delta$  subunits of CD3, the  $\epsilon$  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 $\epsilon$  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 $\epsilon$  cells were depleted from this suspension using the CD3 $\epsilon$  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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