

## CD19 protein-coupled magnetic MicroBeads

Cat. No. CD19-711M Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

**Species** Human

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

#### Background

As a B cell lineage marker, the CD19 antigen is expressed from the early pro-B cell stage to the B cell lymphoblast stage, but the expression is down-regulated upon B cell maturation to plasma cells. The CD19 antigen is further expressed on most malignant B cells and on a subset of follicular dendritic cells.

#### Application

Isolated CD19+ B cells were used for studies on immunoglobulin production, such as IgE synthesis and secretion, chemotaxis assays, or mixed lymphocyte reactions. Positively selected CD19+ B cells were also used for molecular studies such as gene expression profiling. For the analysis of minimal residual diseases in B cell malignancies, enrichment of B cells increases the sensitivity of detection.

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