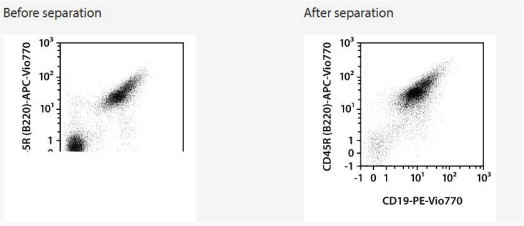
CD19 protein-coupled magnetic MicroBeads

Cat. No. CD19-5078M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Mouse
Capacity	for 2×10^9 total cells
Background	The mouse monoclonal antibody reacts with mouse CD19, which is expressed on B cell lineage cells, throughout their development from early pro-B cell stages on, and is down-regulated upon terminal differentiation to plasma cells. Mouse CD19 MicroBeads are used for positive selection or depletion of mouse B cells from various tissues such spleen.
Application	Positive selection or depletion of CD19+ B cells spleen. Isolation of CD19+ B cells to study the accessibility of enhancer elements during B cell development by in vivo footprinting. Isolation of pure B cells for preparation of cell extracts to analyze conditions for V(D)J recombination in a cell-free system.
Analysis	 A single-cell suspension from mouse spleen was prepared using the gentleMACS

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Dissociator. CD19+ B cells were isolated from this single-cell suspension using the CD19 MicroBeads, and autoMACS Pro Separator. Cells were fluorescently stained with REAfinity Antibodies CD45R (B220)-APC-Vio 770 (clone REA755), mouse, and CD19-PE-Vio770, mouse (clone REA749) and analyzed by flow cytometry using the MACSQuant Analyzer. Viable leukocytes were gated for analysis based on scatter signals and 7-AAD Staining Solution fluorescence.

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