

Kappa Antibody-coupled magnetic MicroBeads

Cat. No. Kappa-4592M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Rat

Capacity for 1×10^9 total cells

Background

A majority (95%) of all rat B cells express the Igk light chain. Anti-Rat Kappa MicroBeads bind equally well to the Ig light chain allotypes Igk-1a and Igk-1b. Together with the Ig heavy chain, the Ig light chain is expressed on the surface of immature IgM+IgD- B cells. Furthermore, it is present on mature IgM+IgD+ B cells and memory B cells, and is down-regulated on activated B cells upon terminal differentiation into plasma cells.

Application

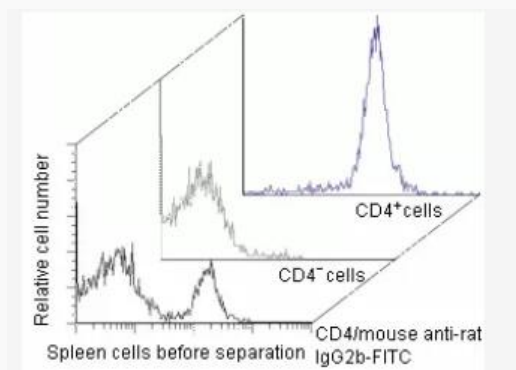
B cells isolated with Anti-Rat Kappa MicroBeads from peripheral lymphoid organs or non-hematopoietic tissues are suitable for in vivo and in vitro studies on B cell development, differentiation, and migration. Highly pure B cell populations are also required for reliable cellular and molecular analyses, for example, of Ig gene rearrangement.

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Analysis



Separation of CD4+ cells from mouse spleen using a rat anti-mouse CD4 antibody with kappa light chains (isotype IgG2b), Anti-Rat Kappa MicroBeads, and an MS Column.

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