

**PerCP/Cy5.5 anti-mouse CD185 (CXCR5)**

**Catalog # / Size:** 1327535 / 25 µg  
1327540 / 100 µg

**Clone:** L138D7

**Isotype:** Rat IgG2b, κ

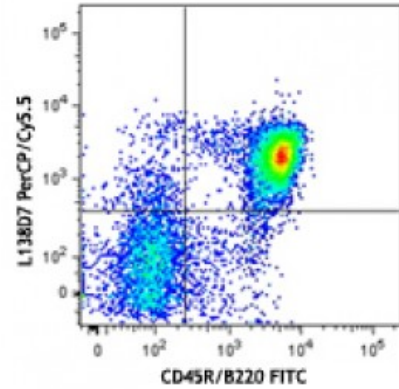
**Immunogen:** mCXCR5-transfected cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2



C57BL/6 mouse splenocytes were stained with CD45R/B220 FITC and CXCR5 (clone L138D7) PerCP/Cy5.5 (top) or rat IgG2b, κ PerCP/Cy5.5 isotype control (bottom).

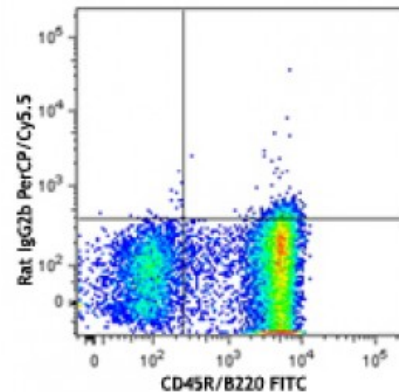
**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

**Application Notes:** Clone L138D7 staining works optimally at room temperature or 4°C. Unlike other chemokine receptor antibodies, avoid using L138D7 at 37°C.



**Description:** CD185 is also known as CXCR5. It is the receptor for chemokine CXCL13/BLC, which is chemotactic for B cells. CXCR5 is expressed on B cells and a subset of T cells in the spleen, neuronal tissue, lymph nodes, and bone marrow. It is important for migration of B cells into the B cell follicles of the spleen and Peyer’s patches. Follicular helper T cells (Tfh) also express CXCR5 and the ability of these cells to migrate to the lymph node is modulated by the balanced expression of CCR7 and CXCR5.

- Antigen References:**
1. Kaiser E, *et al.* 1993. *Eur. J. Immunol.* 23:2532.
  2. Forster R, *et al.* 1994. *Cell. Mol. Biol.* 40:381.
  3. Forster R, *et al.* 1994. *Blood* 84:830.
  4. Forster R, *et al.* 1996.

