

**Brilliant Violet 421™ anti-mouse CD185 (CXCR5)**

**Catalog # / Size:** 1327555 / 125 µl  
1327560 / 500 µl

**Clone:** L138D7

**Isotype:** Rat IgG2b, κ

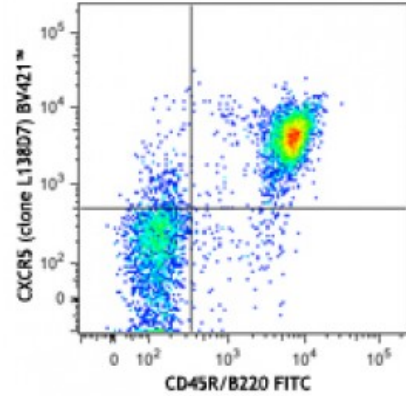
**Immunogen:** mCXCR5-transfected cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

**Concentration:** Lot-specific

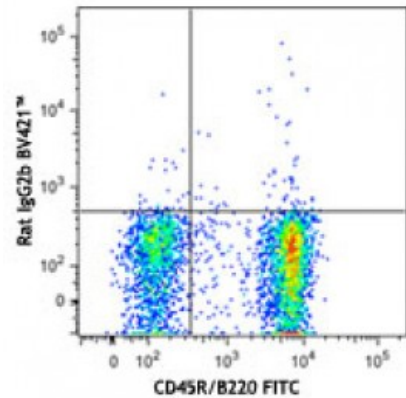


C57BL/6 mouse splenocytes were stained with CD45R/B220 FITC and CXCR5 (clone L138D7, top) Brilliant Violet 421™ or rat IgG2b, κ Brilliant Violet 421™ isotype control (bottom).

**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 ≤5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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

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**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.