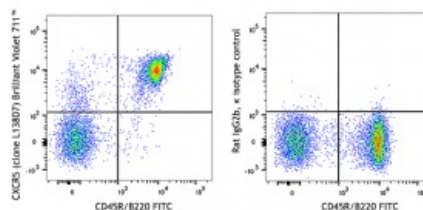


**Brilliant Violet 711™ anti-mouse CD185 (CXCR5)****Catalog # / Size:** 1327645 / 50 µg**Clone:** L138D7**Isotype:** Rat IgG2b, κ**Immunogen:** mCXCR5-transfected cells**Reactivity:** Mouse**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 711™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 711™ and unconjugated antibody.**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).**Concentration:** 0.2 mg/ml

C57BL/6 mouse splenocytes were stained with CD45R/B220 FITC and CD185 (CXCR5, clone L138D7) Brilliant Violet 711™ (left) or rat IgG2b, κ Brilliant Violet 711™ isotype control (right).

**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 ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 711™ excites at 405 nm and emits at 711 nm. The bandpass filter 710/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 711™ is a trademark of Sirigen Group Ltd.

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

**Application 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.

**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.