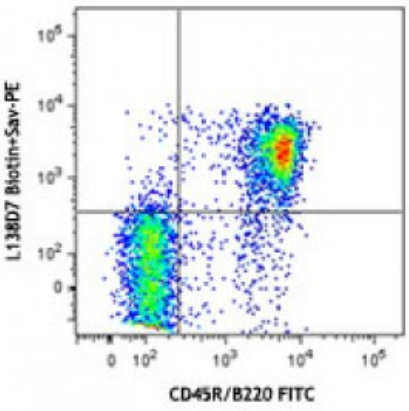
SONY

Product Data Sheet

Biotin anti-mouse CD185 (CXCR5)

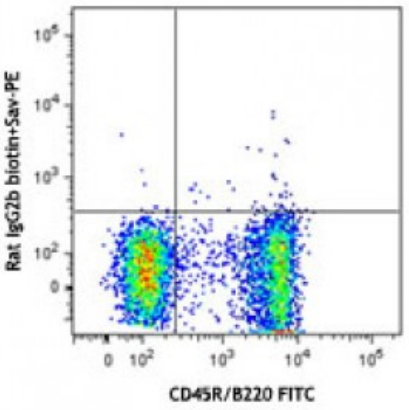
Catalog # / Size:	1327545 / 25 µg 1327550 / 100 µg
Clone:	L138D7
Isotype:	Rat IgG2b, κ
Immunogen:	mCXCR5-transfected cells
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5



C57BL/6 mouse splenocytes were stained with CD45R/B220 FITC and biotinylated CXCR5 (clone L138D7, top) or rat IgG2b, κ isotype control (bottom), followed by Sav-PE.

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.
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. Kim Yu, *et al.* 2015. *PLoS One.* 10:120294. PubMed

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.

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