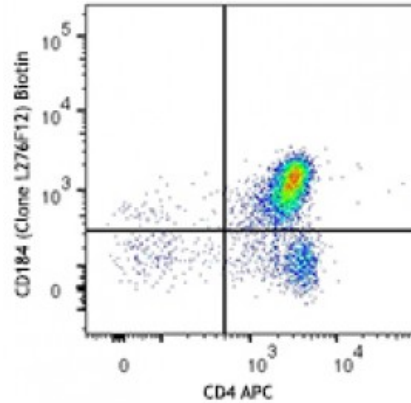


Biotin anti-mouse CD184 (CXCR4)

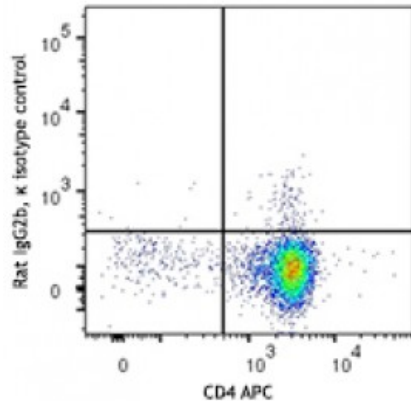
Catalog # / Size: 1332580 / 100 µg
Clone: L276F12
Isotype: Rat IgG2b, κ
Immunogen: Mouse CXCR4-transfected cells
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: Lot-specific



C57BL/6 mouse thymocytes were stained with biotinylated CXCR4 (clone L276F12, top) or biotinylated rat IgG2b, κ isotype control (bottom), followed by SAV FITC and then stained with CD4 APC.

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 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



Description: CD184, also known as CXCR4, is a member of the G protein coupled receptor family that binds CXCL12 (SDF1). CXCR4 and CXCL12 play an important role in immune and inflammatory responses through the regulation of cell migration and growth. CXCR4 plays a crucial role in the pathogenesis of several autoimmune diseases such as atherosclerosis, rheumatoid arthritis, and wound healing. In addition, CXCR4 is the cofactor for fusion and entry of the T cell-tropic form of HIV-1.

- Antigen References:**
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 2. Muller A, *et al.* 2001. *Nature* 410:50.
 3. Saini V, *et al.* 2010. *J. Biol. Chem.* 285:15566.
 4. Prasad A, *et al.* 2007. *J. Leuko*