

# CD185 (CXCR5) Monoclonal Antibody (SPRCL5), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SPRCL5
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572800

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	8 Publications

## Product Specific Information

Description: This SPRCL5 monoclonal antibody reacts with Mouse CD185. CD185, which is also known as C-X-C chemokine receptor 5 (CXCR5) and Burkitt lymphoma receptor 1 (BLR1), is a seven transmembrane G protein-coupled receptor originally identified in Burkitt's lymphoma. In peripheral blood, CXCR5 is expressed on B cells, CD4+ T cells (but not Th1 or Th2 cells), as well as on a subpopulation of memory (CD45RO+) T cells. CXCR5+ circulating T cells are in a resting state and migrate to the lymph nodes due to expression of CCR7 and CD62L. In tonsil, CXCR5 is expressed on nearly all CD4+ cells along with CD45RO and such activation markers as CD69 and ICOS. Tonsillar CXCR5+ cells have been shown to induce antibody production when co-cultured with B cells, thus supporting their role in providing B cell help. Furthermore, this chemokine receptor plays a critical role in lymphocyte trafficking, in particular T cell migration into the B cell follicles of germinal centers in response to CXCL13, making CXCR5 an established marker of follicular helper T cells.

This SPRCL5 does not see a formaldehyde fixed epitope, therefore staining should be done prior to fixation.

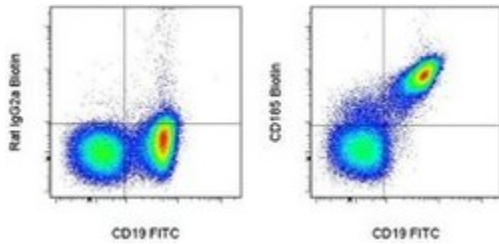
Applications Reported: This SPRCL5 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This SPRCL5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the

antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD185 (CXCR5) Monoclonal Antibody (SPRCL5), Biotin, eBioscience™



### CD185 (CXCR5) Antibody (13-7185-82) in Flow

Staining of BALB/c splenocytes with Anti-Mouse CD19 FITC (Product # 11-0193-82) and Rat IgG2a K Biotin Isotype Control (left) (Product # 13-4321-82) or Anti-Mouse CD185 Biotin (right), followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

## 8 References

### Flow Cytometry (8)

Oncotarget

#### Novel CXCL13 transgenic mouse: inflammation drives pathogenic effect of CXCL13 in experimental myasthenia gravis.

"Published figure using CD185 (CXCR5) monoclonal antibody (Product # 13-7185-82) in Flow Cytometry"

Authors: Weiss JM, Robinet M, Aricha R, Cufi P, Villeret B, Lantner F, Shachar I, Fuchs S, Souroujon MC, Berrih-Aknin S, Le Panse R

Species  
Not Applicable

Dilution  
Not Cited

Year  
2016

PloS one

#### Immunogenicity of Isogenic IgG in Aggregates and Immune Complexes.

"13-7185 was used in Flow cytometry/Cell sorting to analyse CD4 T cell reactions against IgG in various physical states."

Authors: St Clair JB, Detanico T, Aviszus K, Kirchenbaum GA, Christie M, Carpenter JF, Wysocki LJ

Species  
Mouse

Dilution  
Not Cited

Year  
2017

[View more Flow references on thermofisher.com](#)

## More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.