

CD199 (CCR9) Monoclonal Antibody (eBioCW-1.2 (CW-1.2)), eFluor™ 450, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Mouse / IgG2a
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioCW-1.2 (CW-1.2)
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10854574

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	3 Publications

Product Specific Information

Description: The eBioCW-1.2 monoclonal antibody reacts with mouse CCR9 (CD199), which is the receptor for thymus-expressed chemokine (TECK). CCR9 is a member of the G protein coupled receptor (GPCR) supergene family, and is involved in trafficking of T cell progenitors within the thymus. CCR9 expression during thymocyte development commences at the double-negative (DN) 3 stage (CD4-CD8-CD25+CD44-), peaks in the double-positive (DP) stage (CD4+CD8+CD25-CD44-), and is down-regulated in committed CD4+ or CD8+ single-positive (SP) thymocytes. CCR9-deficient mice show a mild impairment in thymocyte development. In the periphery, CCR9 is thought to be expressed on naive CD8+ T cells, but not on naive CD4+ T cells.™

Applications Reported: This eBioCW-1.2 (CW-1.2) antibody has been reported for use in flow cytometric analysis.™

Applications Tested: This eBioCW-1.2 (CW-1.2) antibody has been tested by flow cytometric analysis or mouse thymocytes. 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.™

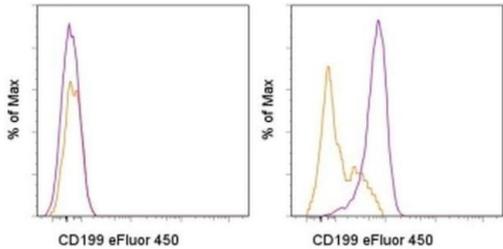
eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.™

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.™

^M

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD199 (CCR9) Monoclonal Antibody (eBioCW-1.2 (CW-1.2)), eFluor™ 450, eBioscience™



CD199 (CCR9) Antibody (48-1991-82) in Flow

Staining of BALB/c thymocytes with Anti-Mouse CD4 APC (Product # 17-0041-82), Anti-Mouse CD8a PerCP-eFluor® 710 (Product # 46-0081-82) and 0.5 µg of Mouse IgG2a K Isotype Control eFluor® 450 (Product # 48-4724-82) (left) or 0.5 µg of Anti-Mouse CD199 (CCR9) eFluor® 450 (right). Samples were gated on CD4 single positive (orange histogram) or CD4+CD8+ double positive cells (purple histogram).

3 References

Flow Cytometry (3)

Cell reports

T Cell-Intrinsic IRF5 Regulates T Cell Signaling, Migration, and Differentiation and Promotes Intestinal Inflammation.

"48-1991 was used in Flow cytometry/Cell sorting to identify a previously undefined key role for T cell-intrinsic IRF5. In mice, IRF5 in CD4+ T cells promotes Th1- and Th17-associated cytokines and decreases Th2-associated cytokines."

Authors: Yan J, Pandey SP, Barnes BJ, Turner JR, Abraham C

Year
2020

Species
Mouse

Nature communications

Limited clonal relatedness between gut IgA plasma cells and memory B cells after oral immunization.

"Published figure using CD199 (CCR9) monoclonal antibody (Product # 48-1991-82) in Flow Cytometry"

Authors: Bemark M, Hazanov H, Strömberg A, Komban R, Holmqvist J, Köster S, Mattsson J, Sikora P, Mehr R, Lycke NY

Year
2016

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

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