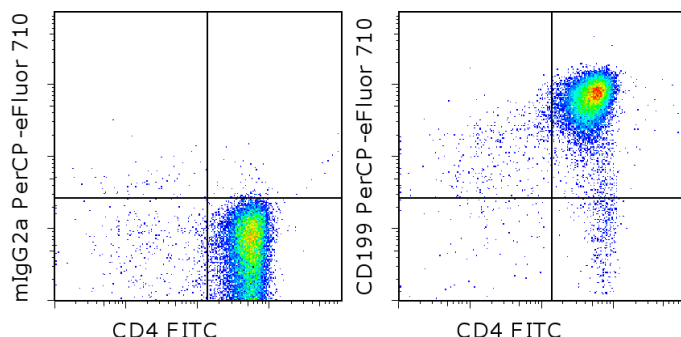


Anti-Mouse CD199 (CCR9) PerCP-eFluor® 710

Catalog Number: 46-1991

Also known as: CCR-9

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57Bl/6 thymocytes with Anti-Mouse CD4 APC (cat. 17-0041) and 0.25 ug of Mouse IgG2a kappa Isotype Control PerCP-eFluor® 710 (cat. 46-4724) (left) or 0.25 ug of Anti-Mouse CD199 (CCR9) PerCP-eFluor® 710 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD199 (CCR9)
PerCP-eFluor® 710



Catalog Number: 46-1991

Clone: eBioCW-1.2 (CW-1.2)

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG2a



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

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 naïve CD8+ T cells, but not on naïve 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 of mouse thymocytes. This can be used at less than or equal to 0.5 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.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor™ Organic Dyes including PerCP-eFluor® 710.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com

Anti-Mouse CD199 (CCR9) PerCP-eFluor® 710

Catalog Number: 46-1991

Also known as: CCR-9

RUO: For Research Use Only. Not for use in diagnostic procedures.

References

Liu C, Saito F, Liu Z, Lei Y, Uehara S, Love P, Lipp M, Kondo S, Manley N, Takahama Y. Coordination between CCR7- and CCR9-mediated chemokine signals in pre-vascular fetal thymus colonization. *Blood*. 2006 Jun 29.

Wurbel MA, Malissen B, Campbell JJ. Complex regulation of CCR9 at multiple discrete stages of T cell development. *Eur J Immunol*. 2006 Jan;36(1):73-81. (CW-1.2, FC, Development of mAb, PubMed)

Zaballos A, Gutierrez J, Varona R, Ardavin C, Marquez G. Cutting edge: identification of the orphan chemokine receptor GPR-9-6 as CCR9, the receptor for the chemokine TECK. *J Immunol*. 1999 May 15;162(10):5671-5.

Related Products

17-0041 Anti-Mouse CD4 APC (GK1.5)

46-4724 Mouse IgG2a K Isotype Control PerCP-eFluor® 710