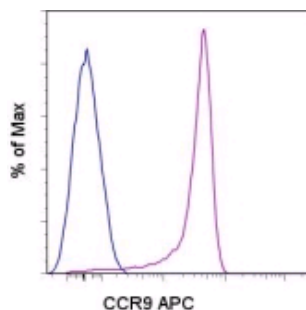


Anti-Mouse CD199 (CCR9) APC

Catalog Number: 17-1991

Also Known As: CCR-9

RUO: For Research Use Only



Staining of C57BL/6 thymocytes with 0.125 µg of Mouse IgG2a κ Isotype Control APC (cat. 17-4724) (blue histogram) or 0.125 µg of Anti-Mouse CD199 (CCR9) APC (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD199 (CCR9) APC


REF Catalog Number: 17-1991

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.

LOT 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 0.25 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

17-4724 Mouse IgG2a K Isotype Control APC

