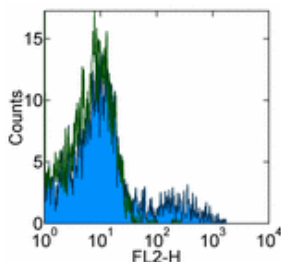


Anti-Human CD328 (Siglec7) Purified

Catalog Number: 14-5759

Also Known As: p75, AIRM1 QA79, siglec-7

RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.25 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.25 µg of Anti-Human CD328 (Siglec7) Purified (filled histogram) followed by F(ab')₂ Anti-Mouse IgG PE (cat. 12-4012). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD328 (Siglec7) Purified

REF Catalog Number: 14-5759

Clone: eBioQA79 (QA79)

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The eBioQA79 monoclonal antibody reacts with adhesion inhibitory receptor molecule 1 (AIRM1), also known as sialic acid binding immunoglobulin-like lectin 7 (Siglec-7), p75 and CDw328. AIRM1 is a cell surface receptor that belongs to the sialoadhesin family and displays homology with the myeloid cell antigen CD33. p75/AIRM1 expression is confined to NK cells in lymphoid cells. eBioQA79 crosslinking inhibits NK function. p75/AIRM1 is expressed at various stages of myeloid differentiation. Presence of this protein is a useful way to monitor cellular proliferation and determine proliferative states of cells, especially in diseases such as chronic myeloid leukemia.

Applications Reported

This eBioQA79 (QA79) antibody has been reported for use in flow cytometric analysis, and immunoprecipitation.

Applications Tested

This eBioQA79 (QA79) antibody has been tested by flow cytometric analysis. 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.

References

Falco M, Biassoni R, Bottino C, Vitale M, Sivori S, Augugliaro R, Moretta L, Moretta A. Identification and molecular cloning of p75/AIRM1, a novel member of the sialoadhesin family that functions as an inhibitory receptor in human natural killer cells. *J Exp Med.* 1999 Sep 20;190(6):793-802.

Vitale C, Romagnani C, Puccetti A, Olive D, Costello R, Chiossone L, Pitto A, Bacigalupo A, Moretta L, Mingari MC. Surface expression and function of p75/AIRM-1 or CD33 in acute myeloid leukemias: engagement of CD33 induces apoptosis of leukemic cells. *Proc Natl Acad Sci U S A.* 2001 May 8;98(10):5764-9. (FC, PubMed)

Vitale C, Romagnani C, Falco M, Ponte M, Vitale M, Moretta A, Bacigalupo A, Moretta L, Mingari MC. Engagement of p75/AIRM1 or CD33 inhibits the proliferation of normal or leukemic myeloid cells. *Proc Natl Acad Sci U S A.* 1999 Dec 21;96(26):15091-6. (FC, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

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