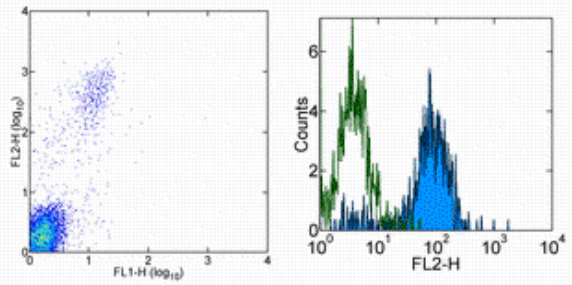
Anti-Human CD328 (Siglec7) PE

Catalog Number: 12-5759
Also Known As:p75, AIRM1 QA79, siglec-7
RUO: For Research Use Only. Not for use in diagnostic procedures.



Left: Staining of normal human peripheral blood cells with Anti-Human CD56 (NCAM) FITC and Mouse IgG1 K Isotype Control PE (cat. 12-4714) or Anti-Human CD328 (Siglec7) PE. Cells in the lymphocyte gate were used for analysis. Right: Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (cat. 12-4714) (open histogram) or Anti-Human CD328 (Siglec7) PE (filled histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD328 (Siglec7) PE
REF **Catalog Number:** 12-5759
Clone: eBioQA79 (QA79)
Concentration: 5 uL (0.5 ug)/test
Host/Isotype: Mouse IgG1

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
Contains sodium 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.

Applications Tested

This eBioQA79 (QA79) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (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 10^5 to 10^8 cells/test.

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

11-0569 Anti-Human CD56 (NCAM) FITC (MEM188 (MEM-188))
12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)