

# CD328 (Siglec7) Monoclonal Antibody (eBioQA79 (QA79)), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioQA79 (QA79)
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11063982

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	-
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

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.

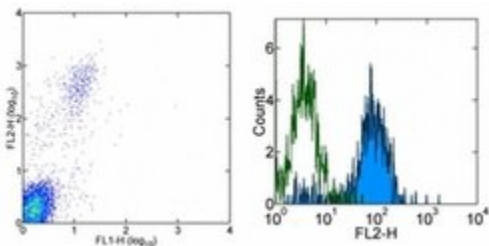
Applications Reported: This eBioQA79 (QA79) antibody has been reported for use in flow cytometric analysis.

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<sup>5</sup> to 10<sup>8</sup> cells /test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD328 (Siglec7) Monoclonal Antibody (eBioQA79 (QA79)), PE, eBioscience™



### CD328 (Siglec7) Antibody (12-5759-42) in Flow

Left: Staining of normal human peripheral blood cells with Anti-Human CD56 (NCAM) FITC and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) 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 (Product # 12-4714-81) (open histogram) or Anti-Human CD328 (Siglec7) PE (filled histogram). Cells in the monocyte gate were used for analysis.

## 1 Reference

### Miscellaneous PubMed (1)

ACS chemical biology

#### On-chip synthesis and screening of a sialoside library yields a high affinity ligand for Siglec-7.

"12-5759 was used in Binding experiments to generate the largest sialoside analogue library to date using an 'on-chip' synthetic approach, and identify a novel selective Siglec-7 ligand."

Authors: Rillahan CD, Schwartz E, Rademacher C, McBride R, Rangarajan J, Fokin VV, Paulson JC

Species  
Human

Dilution  
Not Cited

Year  
2013

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