

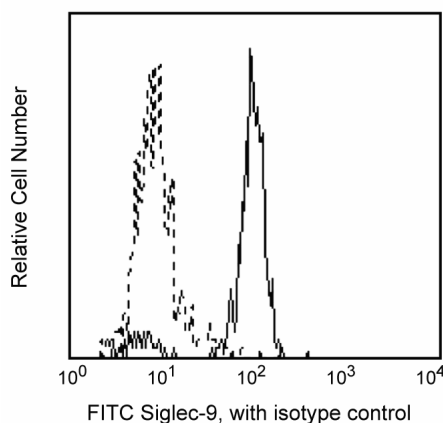
Technical Data Sheet

FITC Mouse Anti-Human CD329 (Siglec-9)**Product Information**

Material Number:	550906
Alternate Name:	Siglec-9; Siglec Y; FOAP-9; OBBP-LIKE
Size:	100 Tests
Vol. per Test:	20 µl
Clone:	E10-286
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	HCDM 2006; HLDA VIII; IX 32
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The E10-286 monoclonal antibody specifically binds to CD329. CD329 is also known as Sialic acid-binding Ig-like lectin 9 (Siglec-9), formerly known as Siglec-Y, which is expressed on peripheral blood monocytes, granulocytes and NK cells. Siglecs (sialic acid/immunoglobulin/lectin) are a family of I-type lectins binding to sialic acids on the cell surface. They are a family of carbohydrate-binding proteins within the immunoglobulin superfamily. Siglecs are all integral membrane proteins with extracellular domains consisting of unusual N-terminal V-set Ig domains, followed by variable numbers of C2-set Ig domains.



Profile of peripheral blood monocytes analyzed by flow cytometry

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Application Notes**Application**

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555748	FITC Mouse IgG1, κ Isotype Control	100 Tests	MOPC-21

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100-µl experimental sample (a test).
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

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5. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
6. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.

References

Powell LD, Varki A. I-type lectins. *J Biol Chem*. 1995; 270(24):14243-14246. (Biology)

Varki, A., Esko, J. Cummings, R. Powell, L, ed. *Essentials of Glycobiology*. Cold Spring Harbor: Cold Spring Harbor Laboratory Press; 1999:101. (Biology)

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