Technical Data Sheet

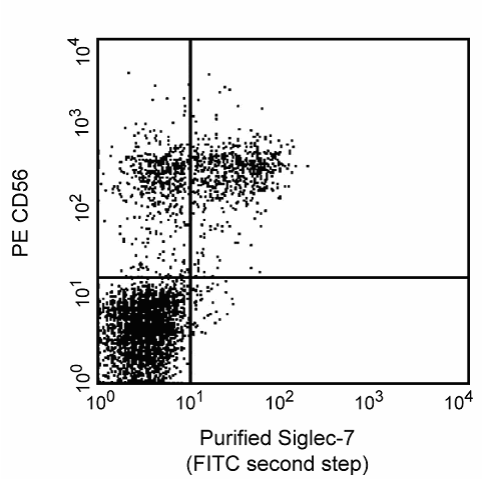
Purified Mouse Anti-Human CD328

Product Information

Material Number:	**552885**
Alternate Name:	Siglec-7
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	F023-420
Immunogen:	Recombinant Siglec-7
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Antibody F023-420 reacts with Siglec-7, an I-type lectin of approximately 65 kDa, expressed as a monomer on a major subset of NK cells and a subset of CD8+ cells. It is also expressed at moderate levels on monocytes and weakly on granulocytes. Siglecs (**s**ialic acid/**i**mmuno**g**lobulin/**lec**tin) are a family of I-type lectins that bind to sialic acids on the cell surface. They are a family of carbohydrate binding proteins within the immunoglobulin superfamily. Siglecs are integral membrane proteins with extracellular N-terminal, V-set Ig domains, followed by variable numbers of C2-set Ig domains.



Profile of human Siglec-7 (clone F023-420) reactivity on peripheral blood lymphocytes analyzed by flow cytometry. *Second step staining with Cat. No. 555988.*

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
555516	PE Mouse Anti-Human CD56	100 tests	B159

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
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.

References

Angata T, Hingorani R, Varki NM, Varki A. Cloning and characterization of a novel mouse Siglec, mSiglec-F: differential evolution of the mouse and human (CD33) Siglec-3-related gene clusters. *J Biol Chem.* 2001; 276(48):45128-45136.(Biology)

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Nicoll G, Ni J, Liu D, et al. Identification and characterization of a novel siglec, siglec-7, expressed by human natural killer cells and monocytes. *J Biol Chem.* 1999; 274(48):34089-34095.(Biology)

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