

## Human Siglec-5/Siglec-14 Fluorescein-conjugated Antibody

Monoclonal Mouse IgG<sub>1</sub> Clone # 194128

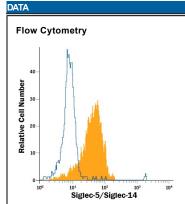
Catalog Number: FAB10721F 100 Tests

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Siglec-5 in ELISAs. In sandwich immunoassays, 100% cross-reactivity with recombinant human (rh) Siglec-14 is observed and no cross-reactivity with rhSiglec-3, rhSiglec-7, or rhSiglec-9 is observed.		
Source	Monoclonal Mouse IgG <sub>1</sub> Clone # 194128		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Siglec-5 Lys18-Thr434 Accession # O15389		
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

## APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

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	Recommended Concentration	Sample	
Flow Cytometry	10 μL/10 <sup>6</sup> cells	See Below	



Detection of Siglec-5/Siglec-14 in Human Monocytes by Flow Cytometry. Human monocytes were stained with Mouse Anti-Human Siglec-5/Siglec-14 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB10721F, filled histogram) or isotype control antibody (Catalog # IC002F, open histogram). View our protocol for Staining Membrane-associated Proteins.

## PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

Siglecs (Sialic acid binding Ig-like Lectins) are a subgroup of the immunoglobulin superfamily that interact with sialic acids in glycoproteins and glycolipids. Siglec-5, also known as CD170, binds to alpha-2,3- and alpha-2,6-linked sialic acid with similar affinity. It occurs as a disulfide-linked dimer of approximately 140 kDa with the highest expression levels in monocytes and neutrophils. Siglec-5 has an inhibitory motif within its cytoplasmic domain. Siglec-14 is an activating receptor that shares 99.5% aa sequence identity with Siglec-5 through the first two extracellular Ig domains and displays a similar glycan binding preference.

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