

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Siglec-5/Siglec-14 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.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 194128
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Siglec-5/Siglec-14 Lys18-Thr434 Accession # O15389
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL 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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human blood derived monocytes

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## 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 binds to alpha-2, 3- and alpha-2, 6-linked sialic acid equally. It occurs as a disulfide-linked dimer of approximately 140 kDa with the highest expression levels in hematopoietic tissues. 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.

## PRODUCT SPECIFIC NOTICES

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