



Anti-SIGLEC5 monoclonal antibody, clone 205239 (DCABY-4071)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description Siglecs are I-type (Ig-type) lectins belonging to the Ig superfamily. They are characterized by an N-terminal, Ig-like V-type domain that mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains (2 to 17), a single transmembrane region, and a cytoplasmic tail. The siglecs can be broadly classified into two subgroups: Siglecs-1, -2, and -4, and a Siglec-3/CD33-related subgroup (Siglecs-3, and -5 through -13 in primates) defined by sequence similarity and clustered gene localization. They are widely expressed on hematopoietic cells, often in a cell-type-specific manner, and Siglec-4/MAG is a myelin component in Schwann cells and oligodendrocytes. Their ligands, sialic acids, are negatively charged monosaccharides found on cell-surface glycoproteins and glycolipids. Although Siglec functions continue to be defined, most have intracellular immunoreceptor tyrosine-based inhibitory motifs (ITIM), implicating them in the suppression of immunoreceptor signaling. They may also participate in cell/cell interactions or act as receptors for the entry of viral or bacterial pathogens.

Specificity 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.

Immunogen Mouse myeloma cell line NS0-derived recombinant human Siglec-5/Siglec-14. Lys18-Thr434 Accession Number O15389

Isotype IgG1

Source/Host Mouse

Species Reactivity Human

Clone 205239

Purification Protein A or G purified from hybridoma culture supernatant

Conjugate	Unconjugated
Applications	Flow Cytometry, ELISA Capture (Matched Pair), Neutralization
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	SIGLEC5 sialic acid binding Ig-like lectin 5 [Homo sapiens (human)]
Official Symbol	SIGLEC5
Synonyms	SIGLEC5; sialic acid binding Ig-like lectin 5; CD170; OBBP2; CD33L2; OB-BP2; SIGLEC-5; sialic acid-binding Ig-like lectin 5; CD33 antigen-like 2; OB-binding protein 2; obesity-binding protein 2; sialic acid-binding immunoglobulin-like lectin 5;
Entrez Gene ID	8778
Protein Refseq	NP_003821
UniProt ID	O15389
Chromosome Location	19q13.3