



Anti-SIGLEC9 monoclonal antibody, clone 202350 (DCABY-3959)

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-9 in ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human Siglec-2, -3, -5, -7 or -10 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Siglec-9. Gln18-Gly348 (predicted) Accession Number Q9Y336
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	202350
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated

Applications	Western Blot, 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	SIGLEC9 sialic acid binding Ig-like lectin 9 [Homo sapiens (human)]
Official Symbol	SIGLEC9
Synonyms	SIGLEC9; sialic acid binding Ig-like lectin 9; CD329; CDw329; FOAP-9; siglec-9; OBBP-LIKE; sialic acid-binding Ig-like lectin 9; protein FOAP-9;
Entrez Gene ID	27180
Protein Refseq	NP_001185487
UniProt ID	Q9Y336
Chromosome Location	19q13.41
Function	carbohydrate binding;