

SIGLEC8 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14564a**Specification**

SIGLEC8 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NYZ4](#)**SIGLEC8 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 27181**Other Names**

Sialic acid-binding Ig-like lectin 8, Siglec-8, Sialoadhesin family member 2, SAF-2, SIGLEC8, SAF2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SIGLEC8 Antibody (N-term) Blocking Peptide - Protein Information**Name** SIGLEC8**Synonyms** SAF2**Function**

Putative adhesion molecule that mediates sialic-acid dependent binding to red blood cells (PubMed:10856141, PubMed:10625619). Preferentially binds to alpha-2,3-linked sialic acid. Also binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface (PubMed:10625619). Recognizes simultaneously epitopes having a terminal N-acetylneuraminic acid (sialic acid) and an underlying 6-O-sulfated galactose. Preferentially binds to Gal-6- sulfated sialyl-Lewis X glycan epitopes (PubMed:27357658).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Expressed specifically on red blood cells namely basophil, mast cells and eosinophils.

SIGLEC8 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SIGLEC8 Antibody (N-term) Blocking Peptide - Images

SIGLEC8 Antibody (N-term) Blocking Peptide - Background

Sialic acid-binding immunoglobulin (Ig)-like lectins, or SIGLECs (e.g., CD33 (MIM 159590)), are a family of type 1 transmembrane proteins each having a unique expression pattern, mostly in hemopoietic cells. SIGLEC8 is a member of the CD33-like subgroup of SIGLECs, which are localized to 19q13.3-q13.4 and have 2 conserved cytoplasmic tyrosine-based motifs: an immunoreceptor tyrosine-based inhibitory motif, or ITIM (see MIM 604964), and a motif homologous to one identified in signaling lymphocyte activation molecule (SLAM; MIM 603492) that mediates an association with SLAM-associated protein (SAP; MIM 300490) (summarized by Foussias et al., 2000 [PubMed 11095983]).

SIGLEC8 Antibody (N-term) Blocking Peptide - References

Gao, P.S., et al. Eur. J. Hum. Genet. 18(6):713-719(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Hudson, S.A., et al. J. Pharmacol. Exp. Ther. 330(2):608-612(2009) Bochner, B.S. Clin. Exp. Allergy 39(3):317-324(2009) von Gunten, S., et al. Autoimmun Rev 7(6):453-456(2008)