

SIGLEC5 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1623a**Specification**

SIGLEC5 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O15389](#)**SIGLEC5 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 8778**Other Names**

Sialic acid-binding Ig-like lectin 5, Siglec-5, CD33 antigen-like 2, Obesity-binding protein 2, OB-BP2, OB-binding protein 2, CD170, SIGLEC5, CD33L2, OBBP2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1623a](/product/products/AP1623a) was selected from the N-term region of human SIGLEC5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SIGLEC5 Antibody (N-term) Blocking Peptide - Protein Information**Name** SIGLEC5**Synonyms** CD33L2, OBBP2**Function**

Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and 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.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Expressed by monocytic/myeloid lineage cells. Found at high levels in peripheral blood leukocytes,

spleen, bone marrow and at lower levels in lymph node, lung, appendix, placenta, pancreas and thymus. Expressed by monocytes and neutrophils but absent from leukemic cell lines representing early stages of myelomonocytic differentiation

SIGLEC5 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SIGLEC5 Antibody (N-term) Blocking Peptide - Images

SIGLEC5 Antibody (N-term) Blocking Peptide - Background

SIGLEC5 is a putative adhesion molecule that mediates sialic-acid dependent binding to cells. This protein binds equally to alpha2,3-linked and alpha2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. This molecule is expressed by monocytic/myeloid lineage cells. SIGLEC5 is found at high levels in peripheral blood leukocytes, spleen, bone marrow and at lower levels in lymph node, lung, appendix, placenta, pancreas and thymus. It is expressed by monocytes and neutrophils but absent from leukemic cell lines representing early stages of myelomonocytic differentiation.

SIGLEC5 Antibody (N-term) Blocking Peptide - References

Erickson-Miller, C.L., et al., Exp. Hematol. 31(5):382-388 (2003). Patel, N., et al., J. Biol. Chem. 274(32):22729-22738 (1999). Cornish, A.L., et al., Blood 92(6):2123-2132 (1998). Kim, H.S., Cytogenet. Cell Genet. 84 (1-2), 96 (1999).