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SIGLEC6 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP1624b

Specification

SIGLEC6 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	O43699
Other Accession	NP_001236

SIGLEC6 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 946

Other Names
Sialic acid-binding Ig-like lectin 6, Siglec-6, CD33 antigen-like 1, CDw327, Obesity-binding protein 1, OB-BP1, CD327, SIGLEC6, CD33L, CD33L1, OBBP1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1624b was selected from the C-term region of human SIGLEC6 . 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.

SIGLEC6 Antibody (C-term) Blocking Peptide - Protein Information

Name SIGLEC6

Synonyms CD33L, CD33L1, OBBP1

Function
Putative adhesion molecule that mediates sialic-acid dependent binding to cells. 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.

Cellular Location
[Isoform 1]: Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed at high levels in placenta (cyto- and syncytiotrophoblastic cells) and at lower levels in spleen, peripheral blood leukocytes (predominantly B-cells) and small intestine

SIGLEC6 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SIGLEC6 Antibody (C-term) Blocking Peptide - Images

SIGLEC6 Antibody (C-term) Blocking Peptide - Background

SIGLEC6 is a putative adhesion molecule that mediates sialic-acid dependent binding to cells by binding to alpha2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. SIGLEC6, which interacts with LEP, is expressed at high levels in placenta (cyto-and syncytiotrophoblastic cells) and at lower levels in spleen, peripheral blood leukocytes (predominantly B-cells) and small intestine. It contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in downmodulation of cellular responses. The phosphorylated ITIM motif binds to the SH2 domain of PTPN6/SHP-1. The gene for SIGLEC6 belongs to the immunoglobulin superfamily.

SIGLEC6 Antibody (C-term) Blocking Peptide - References

Patel, N., et al., J. Biol. Chem. 274(32):22729-22738 (1999).Takei, Y., et al., Cytogenet. Cell Genet. 78 (3-4), 295-300 (1997).Patel, N., et al., J. Biol. Chem. 274, 28058-28058 (1999).