

**SIGLEC12 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1634b****Specification**

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**SIGLEC12 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q96PQ1](#)**SIGLEC12 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 89858**Other Names**

Sialic acid-binding Ig-like lectin 12, Siglec-12, Sialic acid-binding Ig-like lectin-like 1, Siglec-L1, SIGLEC12, SIGLECL1, SLG

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1634b](/products/AP1634b) was selected from the C-term region of human SIGLEC12. 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.

**SIGLEC12 Antibody (C-term) Blocking Peptide - Protein Information****Name** SIGLEC12**Synonyms** SIGLECL1, SLG**Function**

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

Isoform Short is highly expressed in spleen, small intestine and adrenal gland; it is lower expressed in thyroid, placenta, brain, stomach, bone marrow, spinal cord and breast. Isoform Long

is highly expressed in spleen, small intestine and bone marrow; it is lower expressed in thyroid, placenta, thymus, trachea, stomach, lung, adrenal gland, fetal brain and testis

### **SIGLEC12 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SIGLEC12 Antibody (C-term) Blocking Peptide - Images**

### **SIGLEC12 Antibody (C-term) Blocking Peptide - Background**

Sialic acid-binding immunoglobulin-like lectins (SIGLECs) are a family of cell surface proteins belonging to the immunoglobulin superfamily. They mediate protein-carbohydrate interactions by selectively binding to different sialic acid moieties present on glycolipids and glycoproteins. SIGLEC12 is a member of the SIGLEC3-like subfamily of SIGLECs. Members of this subfamily are characterized by an extracellular V-set immunoglobulin-like domain followed by two C2-set immunoglobulin-like domains, and the cytoplasmic tyrosine-based motifs ITIM and SLAM-like. This protein, upon tyrosine phosphorylation, has been shown to recruit the Src homology 2 domain-containing protein-tyrosine phosphatases SHP1 and SHP2. It has been suggested that the protein is involved in the negative regulation of macrophage signaling by functioning as an inhibitory receptor.

### **SIGLEC12 Antibody (C-term) Blocking Peptide - References**

Angata,T., J. Biol. Chem. 276 (43), 40282-40287 (2001)Yu,Z., J. Biol. Chem. 276 (26), 23816-23824 (2001)Foussias,G., Biochem. Biophys. Res. Commun. 284 (4), 887-899 (2001)