

SIGLEC15 Antibody
Catalog # ASC11455

Specification

SIGLEC15 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	O6ZMC9
Other Accession	NP_998767 , 284266
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	SIGLEC15 antibody can be used for detection of SIGLEC15 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.

SIGLEC15 Antibody - Additional Information

Gene ID **284266**

Target/Specificity

SIGLEC15 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human SIGLEC15. The immunogen is located within amino acids 50 - 100 of SIGLEC15.

Reconstitution & Storage

SIGLEC15 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

SIGLEC15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SIGLEC15 Antibody - Protein Information

Name SIGLEC15

Synonyms CD33L3

Function

Binds sialylated glycoproteins.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

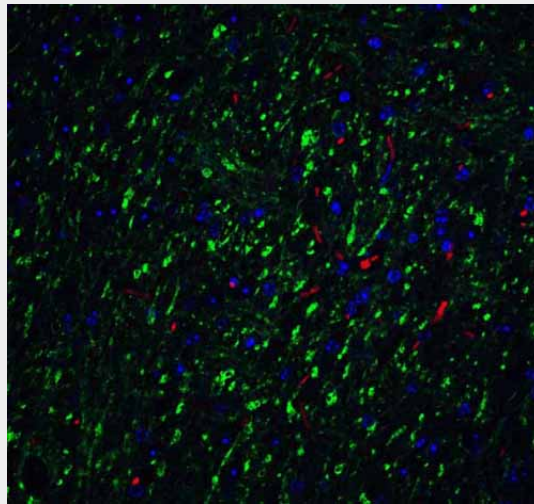
Expressed in macrophage and/or dendritic cells of spleen and lymph nodes

SIGLEC15 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SIGLEC15 Antibody - Images



Immunofluorescence of LMX1B in mouse brain tissue with LMX1B Antibody at 20 µg/mL.

SIGLEC15 Antibody - Background

SIGLEC15 Antibody: Siglecs are vertebrate cell-surface lectins that recognize sialylated glycans and are involved in many physiological processes, such as glycoprotein turnover, cellular trafficking, and pathogen recognition. Most Siglecs are expressed on cells of the immune system. SIGLEC15 is a type-I transmembrane protein consisting of two immunoglobulin (Ig)-like domains, a transmembrane domain containing a lysine residue, and a short cytoplasmic tail. SIGLEC15 can interact with the activating adaptor molecules DAP12/10. Its activating signaling potential and unique preference for glycan recognition implies that SIGLEC15 may be involved in the immune surveillance of tumors and probably plays a conserved, regulatory role in the immune system of vertebrates.

SIGLEC15 Antibody - References

Crocker PR and Redelinghuys P. Siglecs as positive and negative regulators of the immune system. *Biochem. Soc. Trans.* 2008; 36:1467-71.
Angata T, Tabuchi Y, Nakamura K, et al. Siglec-15: an immune system Siglec conserved throughout vertebrate evolution. *Glycobiology* 2007; 17:838-46
Hiruma Y, Hirai T, and Tsuda E. Siglec-15, a member of the sialic acid-binding lectin, is a novel

regulator for osteoclast differentiation. *Biochem. Biophys. Res. Commun.* 2011; 409:424-9.