

SIGLEC15 Antibody

Catalog # ASC12190

Product Information

Application	WB, E
Primary Accession	Q6ZMC9
Other Accession	NP_998767
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Clone Names	SIGLEC15
Calculated MW	35653

Additional Information

Gene ID	284266
Alias Symbol	SIGLEC15
Other Names	SIGLEC15 Antibody: CD33L3, HsT1361, SIGLEC-15, CD33L3, Sialic acid-binding Ig-like lectin 15, CD33 antigen-like 3, Siglec-15
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.

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

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.

References

Crocker and Redelinghuys. *Biochem. Soc. Trans.* 2008; 36:1467-71. Angata et al. *Glycobiology* 2007; 17:838-46. Hiruma et al. *Biochem. Biophys. Res. Commun.* 2011; 409:424-9.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.