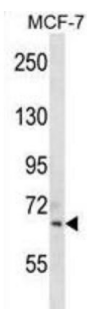
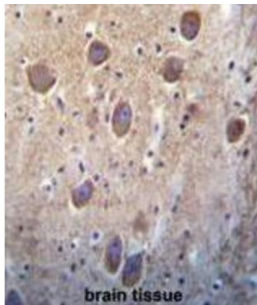


Sialic Acid Binding Ig Like Lectin 11 (SIGLEC11) Antibody

Catalogue No.: abx028723



SIGLECs are members of the immunoglobulin superfamily that are expressed on the cell surface. Most SIGLECs have one or more cytoplasmic immune receptor tyrosine-based inhibitory motifs (ITIM). SIGLECs are typically expressed on cells of the innate immune system, with the exception of the B-cell expressed SIGLEC6. Sequence analysis predicted that the 697-amino acid SIGLEC10 protein contains a signal peptide, an N-terminal V-set Ig-like domain and four C2-set Ig-like domains, five potential N-linked glycosylation sites, a transmembrane region, and a 126-residue cytoplasmic tail with 3 putative ITIMs. Northern blot analysis detected a major 3.0-kb SIGLEC10 transcript, with highest levels in spleen, lymph node, blood leukocytes, and appendix. Little or no expression was observed in pancreas, thyroid, and testis. Flow cytometric analysis demonstrated eosinophil-specific expression of SIGLEC10, but at a lower level than that of SIGLEC8. Expression was also detected on monocytes and a CD16-positive/CD56-negative natural killer-like lymphocyte population. After sialidase treatment, which is necessary for unmasking the sialic acid-binding site on SIGLECs interacting with cell surface sialic acids, cells expressing SIGLEC10 bound to red blood cells. Immunoprecipitation analysis indicated expression of a 100 to 120-kD monomeric protein, higher than the predicted molecular mass, suggesting that SIGLEC10 is glycosylated.

Target: Sialic Acid Binding Ig Like Lectin 11 (SIGLEC11)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Recommended dilutions: WB: 1/1000, IHC-P: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 1.0.0
Revision date: 20 Jan 2025



Immunogen:	KLH-conjugated synthetic peptide between 631-662 amino acids from the C-terminal region of human SIGLEC11.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q96RL6 (UniProt , ExPASy)
Gene Symbol:	SIGLEC11
KEGG:	hsa:114132
String:	9606.ENSP00000412361
Molecular Weight:	Calculated MW: 75.8 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	This product is for research use only.

For Reference Only