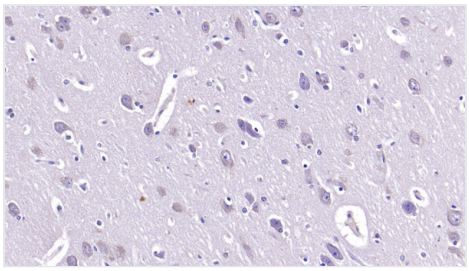
Sialic Acid Binding Ig Like Lectin 10 (SIGLEC10) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Sialic Acid Binding Ig Like Lectin 10 (SIGLEC10), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Sialic Acid Binding Ig Like Lectin 10 (SIGLEC10)
Product Gene Name	anti-SIGLEC10 antibody
Product Synonym Names	SIGLEC10/Sialic Acid Binding Ig Like Lectin 10; PRO940; SLG2; Sialic Acid Binding IgLike Lectin 10 IgLike Lectin 7; SiglecLike Gene 2
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	C5
Host	Mouse
Species Reactivity	Human, Pig
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against SIGLEC10. It has been selected for its ability to recognize SIGLEC10 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: SIGLEC10 Clone #C5 (MBS2139259) APC-CY7 Conjugated Antibody: SIGLEC10 Clone #C5 (MBS2136189)
Matching Pairs	Unconjugated Antibody: SIGLEC10 Clone #C5 (MBS2139259) PE Conjugated Antibody: SIGLEC10 Clone #C5 (MBS2136190)
Matching Pairs	Unconjugated Antibody: SIGLEC10 Clone #C5 (MBS2139259) APC Conjugated Antibody: SIGLEC10 Clone #C5 (MBS2136191)
Matching Pairs	Unconjugated Antibody: SIGLEC10 Clone #C5 (MBS2139259) Cy3 Conjugated Antibody: SIGLEC10 Clone #C5 (MBS2136192)
Matching Pairs	Unconjugated Antibody: SIGLEC10 Clone #C5 (MBS2139259) Biotin Conjugated Antibody: SIGLEC10 Clone #C5 (MBS2136193)
Matching Pairs	Unconjugated Antibody: SIGLEC10 Clone #C5 (MBS2139259) FITC Conjugated Antibody: SIGLEC10 Clone #C5 (MBS2136194)
Matching Pairs	Unconjugated Antibody: SIGLEC10 Clone #C5 (MBS2139259) HRP Conjugated Antibody: SIGLEC10 Clone #C5 (MBS2136195)
OMIM	606091
3D Structure	ModBase 3D Structure for Q96LC7
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Met571~Gln697
Conjugation	Unconjugated
Product Categories/Family for anti-SIGLEC10 antibody	Infection immunity; Primary
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-SIGLEC10 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-SIGLEC10 antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-SIGLEC10 antibody	MBS2139259 is an antibody targeting SIGLEC10. Also known as Monoclonal Antibody to Sialic Acid Binding Ig Like Lectin 10 (SIGLEC10). Reactive in Human, Pig. Host: Mouse.
Other Notes	Small volumes of anti-SIGLEC10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-SIGLEC10 antibody
DAB staining on IHCP; Sample: Human Cerebrum Tissue; Primary Ab: 30ug/ml Mouse AntiHuman SIGLEC10 Antibody Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SIGLEC10. It may not necessarily be applicable to this product.

NCBI GI #	283837876
NCBI GeneID	89790
NCBI Accession #	NP_001164627.1
UniProt Primary Accession #	Q96LC7
UniProt Related Accession #	Q96LC7
GenBank Nucleotide #	NP_001164627.1
NCBI Official Full Name	sialic acid-binding Ig-like lectin 10 isoform 2
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 10
NCBI Official Symbol	SIGLEC10
NCBI Official Synonym Symbols	SLG2; PRO940; SIGLEC-10
UniProt Protein Name	Sialic acid-binding Ig-like lectin 10
UniProt Synonym Protein Names	Siglec-like protein 2
Protein Family	Sialic acid-binding Ig-like lectin

UniProt Gene Name	SIGLEC10
UniProt Synonym Gene Names	SLG2; Siglec-10
UniProt Entry Name	SIG10_HUMAN
NCBI Protein Information	sialic acid-binding Ig-like lectin 10
NCBI Summary for SIGLEC10	SIGLECs are members of the immunoglobulin superfamily that are expressed on the cell surface. Most SIGLECs have 1 or more cytoplasmic immune receptor tyrosine-based inhibitory motifs, or ITIMs. SIGLECs are typically expressed on cells of the innate immune system, with the exception of the B-cell expressed SIGLEC6 (MIM 604405).[supplied by OMIM, Jul 2002]
UniProt Comments for SIGLEC10	Siglec-10: a cell surface protein belonging to the immunoglobulin superfamily and the SIGLEC (sialic acid binding Ig-like lectin) family. Most SIGLECs have 1 or more cytoplasmic immune receptor tyrosine-based inhibitory motifs, or ITIMs. Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha2,3- or 2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. SIGLECs are typically expressed on cells of the innate immune system, with the exception of the B-cell expressed SIGLEC6. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Five alternatively spliced isoforms have been described. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: plasma membrane; integral to membrane; extracellular region Molecular Function: carbohydrate binding Biological Process: cell adhesion
Research Articles on SIGLEC10	**1.** Genetic ablation of either CD24 or Siglec-10, as well as blockade of the CD24-Siglec-10 interaction using monoclonal antibodies, robustly augment the phagocytosis of all CD24-expressing human tumours that we tested. Genetic ablation and therapeutic blockade of CD24 resulted in a macrophage-dependent reduction of tumour growth in vivo and an increase in survival time.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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