

SIGLEC-10 Monoclonal Antibody | anti-SIGLEC-10 antibody

MOUSE ANTI HUMAN SIGLEC-10

CATALOG # AAA50148	APPLICATIONS Flow Cytometry, Functional Assay
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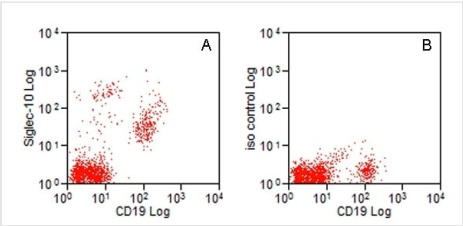
PRODUCT SYNONYMS

SIGLEC-10; Monoclonal Antibody; MOUSE ANTI HUMAN SIGLEC-10; anti-SIGLEC-10 antibody

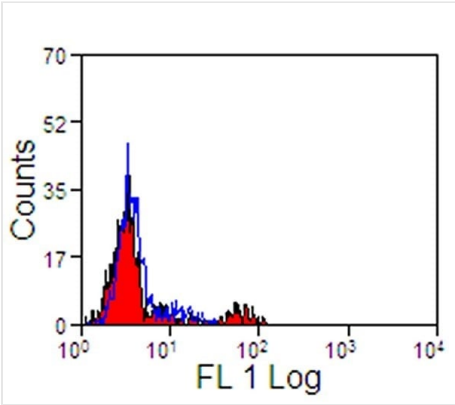
PRODUCT SPECIFICATIONS

Clonality	Monoclonal
Isotype	IgG1
Clone Number	5G6
Specificity	SIGLEC-10 Mouse anti Human Siglec-10 antibody, clone 5G6 recognises human Siglec-10 (Sialic acid-binding Ig-like lectin 10), a putative adhesion molecule and membrane of the Ig superfamily, expressed by monocytes, B cells, eosinophils, and at higher level by a subpopulation of CD16+CD56- natural killer (NK) cells. Structurally, Siglec-10 is most similar to the CD33-related group of Siglecs, and preerentially binds to glycoconjugates containing alpha-2,3- or alpha -2,6- linked sialic acid. Siglec-10 acts as a substrate for VAP-1 (Vascular adhesion protein-1), a glycoprotein expressed on endothelium during inflammation, which is involved in primary amine oxidation and leucocyte trafficking. This interaction between Siglec-10 and VAP-1, implicates Siglec-10 in endothelial lymphocyte adhesion and in the modulation of the inflammatory microenvironment. Mouse anti Human Siglec-10 antibody, clone 5G6 does not cross-react with Siglecs 3, 5, 7, 8 and 9.
Form/Format	Purified IgG - liquid; PBS
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	639
Applicable Applications for anti-SIGLEC-10 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Carrier	Yes
Immunogen	Recombinant human Siglec-10, fused with the Fc region of human IgG
Target Species	Human
Preparation and Storage	Store at +4°C or at -20°C if preferred. Storage in forst-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

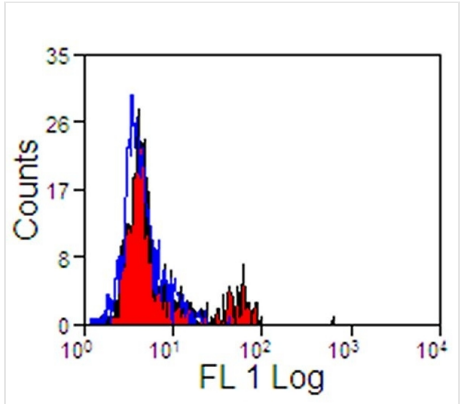
IMAGES



Application Data
Human peripheral blood lymphocytes stained with A: Mouse anti Human Siglec-10 or B the corresponding isotype control; dual stained with Mouse anti Human CD19:APC



Application Data
Human peripheral blood lymphocytes stained with Mouse anti Human siglec-10:FITC



Application Data
Human peripheral blood lymphocytes stained with Mouse anti Human siglec-10 (AAA50148) followed by Rabbit F(ab')₂ anti Mouse IgG:FITC

ADDITIONAL INFORMATION

Related Product Information for anti-SIGLEC-10 antibody

Clone 5G6 specifically recognises human Siglec-10 (Sialic acid-binding Ig-like lectin 10), a putative adhesion molecule and member of the Ig superfamily, expressed by monocytes, B cells, eosinophils, and at a higher level by a subpopulation of CD16+CD56- natural killer (NK) cells. Structurally, Siglec-10 is most similar to the CD33-related group of Siglecs, and preferentially binds to glycoconjugates containing alpha-2,3- or alpha-2,6-linked sialic acid. Studies have shown that Siglec-10 acts as a substrate for VAP-1 (Vascular adhesion protein-1), a glycoprotein expressed on endothelium during inflammation, which is involved in primary amine oxidation and leucocyte trafficking, see Kive, E. et al. for details. This interaction between Siglec-10 and VAP-1, implicates Siglec-10 in endothelial lymphocyte adhesion and in the modulation of the inflammatory microenvironment. Studies have shown that clone 5G6 does not cross-react with Siglecs 3, 5, 7, 8 and 9, see Munday J. et al. for details.

NCBI AND UNIPROT INFORMATION

NCBI GI #	283837876
NCBI GeneID	89790
NCBI Accession #	NP_001164627.1
NCBI GenBank Nucleotide #	NM_001171156.1
UniProt Accession #	Q96LC7; Q3MIR5; Q6UXI8; Q96G54; Q96LC8; A8K1I5; A8K3C7; C9JJ33; C9JM10; F8W917
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
NCBI Protein Information	sialic acid-binding Ig-like lectin 10; sialic acid binding Ig-like lectin 10 Ig-like lectin 7; siglec-like gene 2; siglec-like protein 2
UniProt Protein Name	Sialic acid-binding Ig-like lectin 10
UniProt Gene Name	SIGLEC10
UniProt Synonym Gene Names	SLG2; Siglec-10
UniProt Entry Name	SIG10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/siglec-10-antibody-clone-5g6-flow-cytometry-elisa/50148>