

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

MOUSE ANTI HUMAN SIGLEC-10:FITC

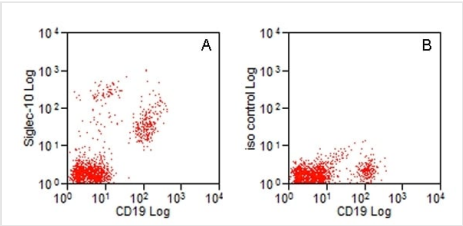
CATALOG # AAA50101	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

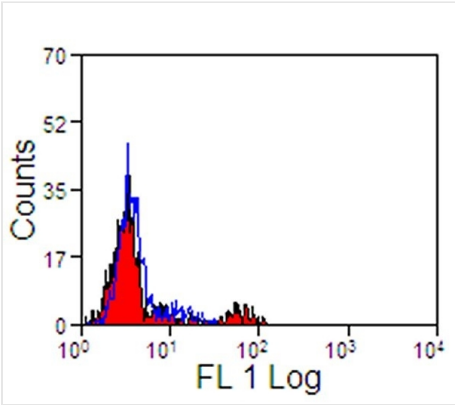
SIGLEC-10; Monoclonal Antibody; MOUSE ANTI HUMAN SIGLEC-10:FITC; anti-SIGLEC-10 antibody

PRODUCT SPECIFICATIONS

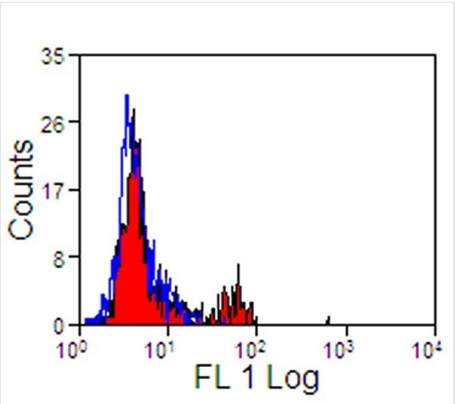
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5G6
Specificity	Clone 5G6 specifically recognises human Siglec-10 (Sialic acid-binding Ig-like lectin 10), a putative adhesion molecule and member of the Ig superfamily, expressed by monocytes, B cells, eosinophils, and at a higher level by a 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.
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	519
Applicable Applications for anti-SIGLEC-10 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Immunogen	Recombinant human Siglec-10, fused with the Fc region of human IgG Buffer Solution
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



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 (AAA50101)



Application Data
Human peripheral blood lymphocytes stained with Mouse anti Human siglec-10 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.
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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
Molecular Weight	57,486 Da

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/50101>