

Mouse anti-Human SIGLEC10 Antibody | anti-SIGLEC10 antibody

Anti-Hu SIGLEC10 APC

CATALOG # AAA129323	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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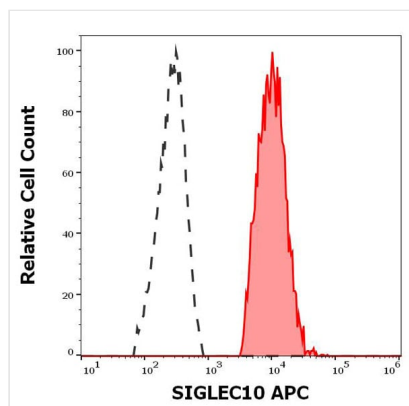
PRODUCT SYNONYMS

SIGLEC10; Anti-Hu SIGLEC10 APC; sialic acid binding Ig like lectin 10; PRO940; SGL2; anti-SIGLEC10 antibody

PRODUCT SPECIFICATIONS

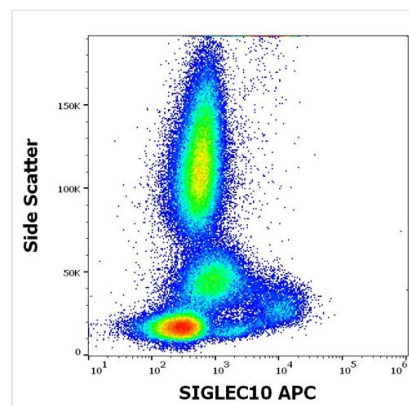
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG1
Clone Number	5G6
Specificity	The mouse monoclonal antibody 5G6 recognizes an extracellular epitope of human SIGLEC10, a sialic acid-binding lectin expressed on subsets of human leucocytes.
Purity/Purification	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-SIGLEC10 antibody	FCM/FACS (Flow Cytometry)
Immunogen	SIGLEC10 extracellular domain fused with human IgG1 Fc fragment
Conjugation	APC
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human SIGLEC10 positive non-classical monocytes (red-filled) from SIGLEC10 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human SIGLEC10 (5G6) APC antibody (10ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human SIGLEC10 (5G6) APC antibody (10ul reagent/100ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-SIGLEC10 antibody	SIGLEC10 is a CD33-related receptor of sialoglycans, expressed on eosinophils, monocytes, a subpopulation of NK cells, and at lower level on B cells. Its murine ortholog is Siglec G. SIGLEC10 seems to act as an immunomodulatory receptor, which binds to VAP-1, a glycoprotein expressed on endothelium under inflammatory conditions. Another ligand of SIGLEC10 is CD24, a marker of poorer prognosis in carcinomas.
References	*Stephenson HN, Mills DC, Jones H, Milioris E, Copland A, Dorrell N, Wren BW, Crocker PR, Escors D, Bajaj-Elliott M: Pseudaminic acid on Campylobacter jejuni flagella modulates dendritic cell IL-10 expression via Siglec-10 receptor: A novel flagellin-host interaction. J Infect Dis. 2014 Nov 1;210(9):1487-98., URL: https://pubmed.ncbi.nlm.nih.gov/24823621/,*Nguyen DH, Ball ED, Varki A: Myeloid precursors and acute myeloid leukemia cells express multiple CD33-related Siglecs. Exp Hematol. 2006 Jun;34(6):728-35., URL: https://pubmed.ncbi.nlm.nih.gov/16728277/,*Läubli H, Kawanishi K, Vazhappilly CG, Matar R, Merheb M, Siddiqui SS: Tools to study and target the Siglec-sialic acid axis in cancer. FEBS J. 2021 Nov;288(21):6206-6225., URL: https://pubmed.ncbi.nlm.nih.gov/33251699/,*Bhamidipati K, Silberstein JL, Chaichian Y, Baker MC, Lanz TV, Zia A, Rasheed YS, Cochran JR, Robinson WH: CD52 is elevated on B cells of SLE patients and regulates B cell function. Front Immunol. 2021 Feb 4;11:626820., URL: https://pubmed.ncbi.nlm.nih.gov/33658999/,*Munday J, Kerr S, Ni J, Cornish AL, Zhang JQ, Nicoll G, Floyd H, Mattei MG, Moore P, Liu D, Crocker PR: Identification, characterization and leucocyte expression of Siglec-10, a novel human sialic acid-binding receptor. Biochem J. 2001 Apr 15;355(Pt 2):489-97., URL: https://pubmed.ncbi.nlm.nih.gov/11284738/,

NCBI AND UNIPROT INFORMATION

NCBI GI #	283837876
NCBI GeneID	89790
NCBI Accession #	NP_001164627.1
NCBI GenBank Nucleotide #	NP_001164627.1
UniProt Accession #	Q96LC7
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
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.