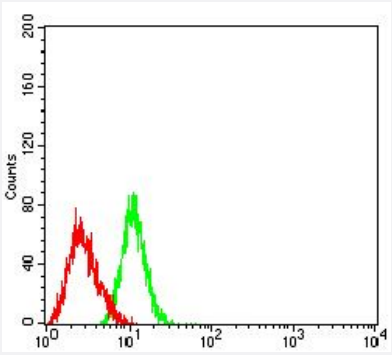
SIGLEC5 monoclonal antibody, clone 3F5A3

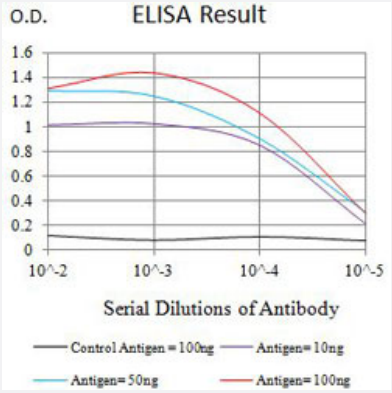
Catalog # MAB21412 Size 100 ug

Applications



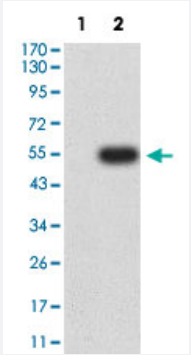
Flow Cytometry

Flow cytometric analysis of HL-60 cells with SIGLEC5 monoclonal antibody, clone 3F5A3 (Cat # MAB21412) (Green). Red: Negative Control.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with SIGLEC5 monoclonal antibody, clone 3F5A3 (Cat # MAB21412).



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: SIGLEC5-hIgGFc transfected HEK293 cell lysates with SIGLEC5 monoclonal antibody, clone 3F5A3 (Cat # MAB21412).

Specification

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Product Description	Mouse monoclonal antibody raised against partial recombinant human SIGLEC5.
Immunogen	Recombinant protein corresponding to amino acids 17-230 of human SIGLEC5.
Host	Mouse
Theoretical MW (kDa)	60.7
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Flow cytometric analysis of HL-60 cells with SIGLEC5 monoclonal antibody, clone 3F5A3 (Cat # MAB21412) (Green). Red: Negative Control.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with SIGLEC5 monoclonal antibody, clone 3F5A3 (Cat # MAB21412).

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 and Lane 2: SIGLEC5-hIgGFc transfected HEK293 cell lysates with SIGLEC5 monoclonal antibody, clone 3F5A3 (Cat # MAB21412).

Gene Info — SIGLEC5

Entrez GeneID	8778
Protein Accession#	O15389

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Gene Name	SIGLEC5
Gene Alias	CD170, CD33L2, OB-BP2, OBBP2, SIGLEC-5
Gene Description	sialic acid binding Ig-like lectin 5
Omim ID	604200
Gene Ontology	Hyperlink
Gene Summary	The sialic acid-binding immunoglobulin-like lectins (SIGLECs), such as SIGLEC5, are a subgroup of the immunoglobulin (Ig) superfamily that mediate protein-carbohydrate interactions. They specif ically interact with sialic acids in glycoproteins and glycolipids, with each SIGLEC having a particu lar preference for both the nature of the sialic acid and its glycosidic linkage to adjacent sugars. SI GLECs have similar structures, including extracellular Ig-like domains composed of an N-terminal V-set domain followed by varying numbers of C2-set domains. It appears that all SIGLECs have a n unusual arrangement of conserved cysteine residues in the V-set and adjacent C2-set domains. Most SIGLECs are expressed uniquely within the hematopoietic system (Cornish et al., 1998 [Pu bMed 9731071]).[supplied by OMIM
Other Designations	CD33 antigen-like 2|OB binding protein-2|sialic acid-binding immunoglobulin-like lectin 5

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