Product Name: **SIGLEC8 Mouse Monoclonal Antibody**
Catalog #: **AMM82649**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	54kDa

Antigen Information

Gene Name	SIGLEC8
Alternative Names	SAF2; SIGLEC-8; SIGLEC8L
Gene ID	27181.0
SwissProt ID	Q9NYZ4
Immunogen	Purified recombinant fragment of human SIGLEC8 (AA: extra 17-216) expressed in E. Coli.

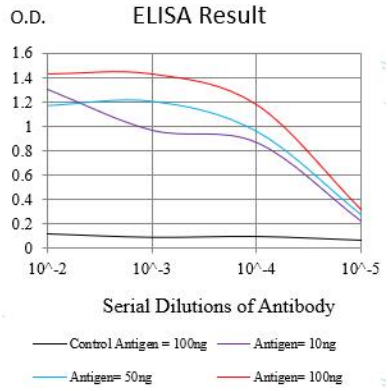
Background

Sialic acid-binding immunoglobulin (Ig)-like lectins, or SIGLECs (e.g., CD33 (MIM 159590)), are a family of type 1 transmembrane proteins each having a unique expression pattern, mostly in hemopoietic cells. SIGLEC8 is a member of the CD33-like subgroup of SIGLECs, which are localized to 19q13.3-q13.4 and have 2 conserved cytoplasmic tyrosine-based motifs:

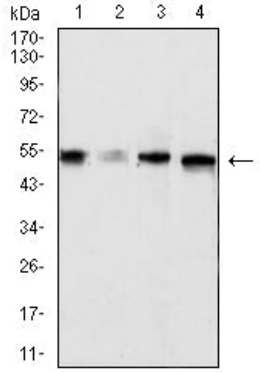
an immunoreceptor tyrosine-based inhibitory motif, or ITIM (see MIM 604964), and a motif homologous to one identified in signaling lymphocyte activation molecule (SLAM; MIM 603492) that mediates an association with SLAM-associated protein (SAP; MIM 300490) (summarized by Foussias et al., 2000 [PubMed 11095983])

Research Area

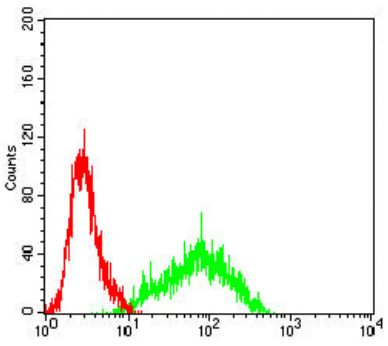
Image Data



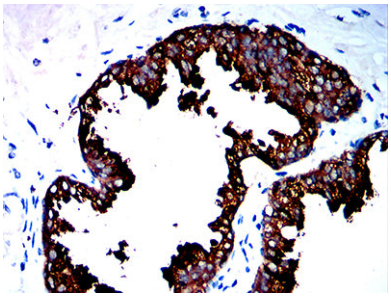
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



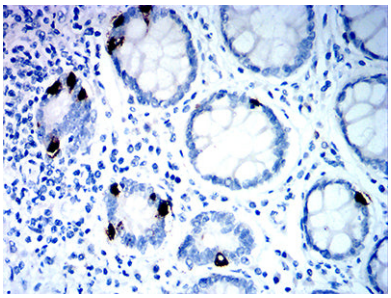
Western blot analysis using SIGLEC8 mouse mAb against mouse Liver (1), rat Liver (2)tissues lysate, MCF-7 (3), and HT-29 (4) cell lysate.



Flow cytometric analysis of Jurkat cells using SIGLEC8 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues using SIGLEC8 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum tissues using SIGLEC8 mouse mAb with DAB staining.