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Product Information

MemDX™ Membrane Protein Human SIGLEC5 (Sialic acid binding Ig like lectin 5)

Expressed in NS0 for Antibody Discovery, Partial (17-434aa)

Cat. No.: **MPX0807K**
This product is for research use only and is not intended for diagnostic use.

This product is a 73 kDa Human SIGLEC5 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
SIGLEC5

Protein Length
Partial (17-434aa)

Protein Class
Cell adhesion

Molecular Weight
73 kDa

TMD
1

Sequence
EKPVYELQVQKSVTVQEGLCVLVPCSFSYPWRSW
YSSPPLYVYWFRDGEIPYYAEVVATNNPDRRVKPETQGRFRLLGDVQKKN
CSLSIGDARMEDTGSYFFRVERGRDVKYSYQQNKLNLEVTALIEKPDIHF
LEPLESGRPTRLSCSLPGSCEAGPPLTFSWTGNALSPLDPETTRSSELTL
TPRPEDHGTNLTCQMKRQGAQVTTERTVQLNVSYAPQTITIFRNGIALEI
LQNTSYLPVLEGQALRLLCDAPSNPPAHLSWFQGSPALNATPISNTGILE
LRRVRSAEEGGFTCRAQHPLGFLQIFLNLSVYSLPQLLGPSCS

Product Description

Activity
Yes

Expression Systems
NS0

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 μg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 μg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SIGLEC5

Full Name

Sialic acid binding Ig like lectin 5

Introduction

This gene encodes a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. These cell surface lectins are characterized by structural motifs in the immunoglobulin (Ig)-like domains and sialic acid recognition sites in the first Ig V set domain. The encoded protein is a member of the CD33-related subset of Siglecs and inhibits the activation of several cell types including monocytes, macrophages and neutrophils. Binding of group B Streptococcus (GBS) to the encoded protein plays a role in GBS immune evasion.

Alternative Names

SIGLEC5; CD170; OBBP2; CD33L2; OB-BP2; SIGLEC-5; CD33 antigen-like 2; OB-binding protein 2; obesity-binding protein 2; sialic acid-binding immunoglobulin-like lectin 5; Sialic acid binding Ig like lectin 5

Gene ID

8778

UniProt ID

O15389

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