

Product Information

MemDX™ Antibody Discovery - Human MAG / Siglec-4a (20-516) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP0643F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human MAG / Siglec-4a (20-516). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

MAG / Siglec-4a

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 81.1 kDa. The protein migrates as 100-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Gly 20 - Pro 516 (Accession # P20916-1).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

Human IgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target**Target Protein**

MAG / Siglec-4a

Full Name

myelin associated glycoprotein

Introduction

The protein encoded by this gene is a type I membrane protein and member of the immunoglobulin superfamily. It is thought to be involved in the process of myelination. It is a lectin that binds to sialylated glycoconjugates and mediates certain myelin-neuron cell-cell interactions. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.

Alternative Names

GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A; myelin-associated glycoprotein; sialic acid binding Ig-like lectin 4A; sialic acid-binding immunoglobulin-like lectin 4A

Gene ID

[4099](#)

UniProt ID

[P20916](#)