

Product Information

MemDX™ Membrane Protein Human MAG (Myelin associated glycoprotein) for Antibody

Discovery

Cat. No.: **MP0897J**

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

This product is a 67.1 kDa Human MAG membrane protein expressed in HEK293T. 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

MAG

Protein Length

Full-length

Protein Class

Druggable Genome, Phosphatase, Transmembrane

Molecular Weight

67.1 kDa

TMD

1

Sequence

MIFLTALPLFWIMISASRGGHWGAWMPSSISAFEGTCVSIPCRFDFFDELRPVVHGVWYFNSPYPKNYP
PVVFKSRTQVVHESFQGRSRLGDLGLRNCTLLLSNVSPELGGKYYFRGDLGGYNQYTFSEHSVLDIVNT
PNIVVPPEVVAGTEVEVSCMVPDNCPELRPELSWLGHEGLGEPVAVLGRLEDEGTWVQVSLHFVPTREA
NGHRLGCGQASFPNTTLQFEGYASMDVKYPPVIVEMNSSVEAIEGSHVSLCGADSNPPPLLTWMRDGTVL
REAVAESLLLEEVTPAEDGVYACLAENAYGQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQ
SNPDPILTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCVAENQYGQRATAFNLSVEFAPVLLLESH
CAAARDTVQCLCVVKSNEPSVAFELPSRNVTVNESEREFVYSERSGLVLTSLTLRGQAQAPPRVICTA
RNLYGAKSLELPFQGAHRLMWAKIGPVGAVVAFAILIAVCYITQTRRKKNVTESPSFSAGDNPPVLFSS
DFRISGAPEKYESERRLLGSERRLLGLRGEPPELDLSYSHSDLGKRPTKDSYTLTEELAEYAEIRVK

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

MAG

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

Gene ID

[4099](#)

UniProt ID

[P20916](#)