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Product Information

MemDX™ Antibody Discovery - Human CD20 / MS4A1 Full Length Membrane Protein, -His tag (Nanodisc)

Cat. No.: **MP1339F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human CD20 / MS4A1 Full Length. It has been tested in SDS-PAGE, ELISA, FACS. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
CD20 / MS4A1

Protein Length
Full Length

Molecular Weight
The CD20 carries a polyhistidine tag at the C-terminus with calculated MW of 35.2 kDa and migrates as 40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The membrane scaffold protein(MSP1D1)has calculated MW of 24.7 kDa, and it migrates as 25 kDa under reducing (R) condition (SDS-PAGE) .

Sequence
AA Met 1 - Pro 297 (Accession # P11836-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA, FACS

Expression Systems
HEK293

Tag
His 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

>85% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in 20 mM HEPES, 150 mM NaCl, pH7.5 . 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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

CD20 / MS4A1

Full Name

membrane spanning 4-domains A1

Introduction

This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein.

Alternative Names

B1; S7; Bp35; CD20; CVID5; MS4A2; LEU-16; B-lymphocyte antigen CD20; B-lymphocyte cell-surface antigen B1; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; membrane-spanning 4-domains, subfamily A, member 1

Gene ID

931

UniProt ID

P11836