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Product Information

MemDX™ Antibody Discovery - Human CD38 (43-300) Membrane Protein, Partial, -His tag, [FITC]

Cat. No.: **MP1115F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human CD38 (43-300). It has been tested in SDS-PAGE, FACS. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
CD38

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 30.7 kDa.

Sequence
AA Val 43 - Ile 300 (Accession # NP_001766).

Product Description

Activity
Yes

Application
SDS-PAGE, FACS

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form

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LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Conjugation

FITC

Buffer

Please contact us for detailed information.

Contact us for customized product form or formulation.

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

CD38

Full Name

CD38 molecule

Introduction

The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants.

Alternative Names

ADPRC1; ADPRC 1; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; 2'-phospho-ADP-ribosyl cyclase; 2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl cyclase 1; CD38 antigen (p45); NAD(+) nucleosidase; cluster of differentiation 38; cyclic ADP-ribose hydrolase 1; ecto-nicotinamide adenine dinucleotide glycohydrolase

Gene ID

952

UniProt ID

P28907

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