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Product Information

MemDX™ Antibody Discovery - Human CD14 (20-344) Membrane Protein, Partial, -His tag

Cat. No.: **MP1092F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human CD14 (20-344). 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
CD14

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 35.9 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Thr 20 - Met 344 (Accession # AAH10507).

Product Description

Application
SDS-PAGE

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

>98% 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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

CD14

Full Name

CD14 molecule

Introduction

The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein.

Alternative Names

CD14, CD14 molecule, CD14 antigen, monocyte differentiation antigen CD14, myeloid cell-specific leucine-rich glycoprotein,

Gene ID

929

UniProt ID

P08571