

Product Information

MemDX™ Antibody Discovery - Human CD14 (20-352) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1091F**

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

This membrane protein is Human CD14 (20-352). 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 62.2 kDa. The protein migrates as 75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Thr 20 - Cys 352 (Accession # P08571-1).

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 Tris with Glycine, Arginine and 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 conditions 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](#)