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Product Information

MemDX™ Antibody Discovery - Mouse Properdin (23-464) Membrane Protein, Partial, -His tag

Cat. No.: **MP0754F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse Properdin (23-464). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Mouse

Target Protein
Properdin

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 49.8 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Ser 23 - Pro 464 (Accession # P11680-1).

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

Conjugation

PE

Purity

>95% 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

Properdin

Full Name

complement factor properdin

Introduction

This gene encodes a plasma glycoprotein that positively regulates the alternative complement pathway of the innate immune system. This protein binds to many microbial surfaces and apoptotic cells and stabilizes the C3- and C5-convertase enzyme complexes in a feedback loop that ultimately leads to formation of the membrane attack complex and lysis of the target cell. Mutations in this gene result in two forms of properdin deficiency, which results in high susceptibility to meningococcal infections. Multiple alternatively spliced variants, encoding the same protein, have been identified

Alternative Names

Pf; Pfc; BCFG; properdin; complement factor P; properdin factor, complement

Gene ID

18636

UniProt ID

P11680