

Product Information

MemDX™ Antibody Discovery - Human Fc gamma RI/CD64 (16-288) Membrane Protein, Partial, -His -Avi tag, [Biotin]

Cat. No.: **MP1407F**

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

This membrane protein is Human Fc gamma RI/CD64 (16-288). It has been tested in SDS-PAGE, SEC-HPLC, SPR, ELISA, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

Fc gamma RI/CD64

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 34.2 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Gln 16 - Pro 288 (Accession # P12314-1).

Product Description

Activity

Yes

Application

SDS-PAGE, SEC-HPLC, SPR, ELISA, BLI

Expression Systems

HEK293

Tag

His tag at the C-terminus followed by an Avi tag

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.

>90% as determined by SEC-HPLC.

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 conditions after reconstitution after storage at -80°C.

Target

Target Protein

Fc gamma RI/CD64

Full Name

Fc fragment of IgG receptor Ia

Introduction

This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1.

Alternative Names

CD64; FCRI; CD64A; IGFR1; high affinity immunoglobulin gamma Fc receptor I; ; Fc fragment of IgG, high affinity Ia, receptor (CD64); Fc fragment of IgG, high affinity Ia, receptor for (CD64); Fc gamma receptor Ia; Fc-gamma RI; Fc-gamma receptor I A1; IgG Fc receptor I; fc-gamma RIA; fcgammaRIa

Gene ID

[2209](#)

UniProt ID

[P12314](#)