

Product Information

MemDX™ Antibody Discovery - Cynomolgus Fc gamma RIII/CD16 (17-208) Membrane

Protein, Partial, -His tag

Cat. No.: **MP1421F**

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

This membrane protein is Cynomolgus Fc gamma RIII/CD16 (17-208). It has been tested in SDS-PAGE, SPR, ELISA, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Cynomolgus

Target Protein

Fc gamma RIII/CD16

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 23.8 kDa. The protein migrates as 37-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Gly 17 - Gln 208 (Accession # Q8SPW2-1).

Product Description

Activity

Yes

Application

SDS-PAGE, SPR, ELISA, BLI

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

>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 conditions after reconstitution after storage at -80°C.

Target

Target Protein

Fc gamma RIII/CD16

Full Name

Fc-gamma RIII

Introduction

Fc gamma RIII/CD16 is a low/intermediate affinity activating receptor for polyvalent immune-complexed IgG. It is involved in phagocytosis, secretion of enzymes and inflammatory mediators, antibody-dependent cytotoxicity, and clearance of immune complexes. It is expressed on NK cells, T cells, monocytes, and macrophages. Mouse Fc gamma RIII/CD16 is encoded by a single gene and is expressed as a type I transmembrane protein on a variety of myeloid and lymphoid cells. It associates with Fc R gamma to deliver an activating signal upon ligand binding.

Alternative Names

CD16; FCGR3A; FcRIII; low affinity immunoglobulin gamma Fc region receptor III; Fc gamma RIIIa; Fc gamma receptor 3A; IgG Fc receptor III

Gene ID

[720006](#)

UniProt ID

[A3RFZ7](#)