SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Antibody Discovery - Human Fc gamma RIIIB/CD16b (NA1) (17-200) Membrane Protein, Partial, -His tag

Cat. No.: **MP1428F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Fc gamma RIIIB/CD16b (NA1) (17-200). It has been tested in SDS-PAGE, SPR, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
Fc gamma RIIIB/CD16b (NA1)

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 22.8 kDa. The protein migrates as 35-45 KDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Gly 17 - Ser 200 (Accession # AAA35881.1).

Product Description

Activity
Yes

Application
SDS-PAGE, SPR, 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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

Fc gamma RIIIB/CD16b (NA1)

Full Name

Fc fragment of IgG receptor IIIb

Introduction

The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1.

Alternative Names

CD16; FCG3; CD16A; CD16b; FCGR3; FCGR3A; FCR-10; FCRIII; FCRIIIb; low affinity immunoglobulin gamma Fc region receptor III-B; Fc fragment of IgG, low affinity IIIb, receptor (CD16b); Fc gamma receptor III-B; Fc gamma receptor IIIb; Fc-gamma receptor IIIb (CD 16); fc-gamma RIII-beta; fc-gamma RIIIb; igG Fc receptor III-1

Gene ID

2215

UniProt ID

O75015