

Product Information

MemDX™ Antibody Discovery - Mouse Fc gamma RIIB/CD32b (40-217) Membrane Protein, Partial, -Avi -His tag, [Biotin]

Cat. No.: **MP1419F**

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

This membrane protein is Mouse Fc gamma RIIB/CD32b (40-217). 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

Mouse

Target Protein

Fc gamma RIIB/CD32b

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 24.0 kDa. The protein migrates as 38-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Thr 40 - Arg 217 (Accession # NP_001070657.1).

Product Description

Activity

Yes

Application

SDS-PAGE, SPR, BLI

Expression Systems

HEK293

Tag

Avi tag at the C-terminus, followed by a His 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

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 RIIB/CD32b

Full Name

Fc receptor, IgG, low affinity IIb

Introduction

The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene.

Alternative Names

Fcg; CD32; Fcgr; Fcr-; Ly-1; LyM-; Fc[g]; Fcgr2; Fcr-2; Fcr-3; Ly-17; Ly-m2; LyM-1; Lym-1; fcRII; FcgRII; Fcgamm; Fcgr2a; Ly-m20; AI528646; Fc[g]RII; F630109E10Rik; low affinity immunoglobulin gamma Fc region; receptor II-b; Fc gamma RIIB; Fc-gamma-RII; FcgammaRIIB; fc gamma receptor IIB; fc-gamma RII; fc-gamma-RIIB; igG Fc receptor II beta; low affinity immunoglobulin gamma Fc region receptor II; lymphocyte antigen 17

Gene ID

[14130](#)

UniProt ID

[P08101](#)