

# Product Information

## **MemDX™ Antibody Discovery - Human Fc gamma RIIB/CD32b (46-217) Membrane Protein, Partial, -Avi -His tag, [Biotin]**

Cat. No.: **MP1417F**

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

This membrane protein is Human Fc gamma RIIB/CD32b (46-217). 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**

Human

#### **Target Protein**

Fc gamma RIIB/CD32b

#### **Protein Length**

ECD

#### **Molecular Weight**

The protein has a calculated MW of 23.0 kDa. The protein migrates as 25 kDa and 30-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### **Sequence**

AA Ala 46 - Pro 217 (Accession # P31994-1).

### 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 fragment of IgG receptor 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

CD32; FCG2; CD32B; FCGR2; IGFR2; FCGR2C; FcRII-c; low affinity immunoglobulin gamma Fc region receptor II-b; CDw32; Fc fragment of IgG, low affinity II, receptor for (CD32); Fc fragment of IgG, low affinity IIb, receptor (CD32); Fc fragment of IgG, low affinity IIb, receptor for (CD32); Fc gamma RIIB; Fc gamma receptor IIb; Fc-gamma RII-c; Fc-gamma-RIIc; IgG Fc receptor II-c; Low affinity immunoglobulin gamma Fc region receptor II-c; fc-gamma RII-b; fc-gamma-RIIb; fcRII-b; igG Fc receptor II-b

### Gene ID

[2213](#)

### UniProt ID

[P31994](#)