

# Product Information

## **MemDX™ Antibody Discovery - Porcine FcRn (FCGRT & B2M) (16-289(FCGRT)&21-118(B2M)) Membrane Protein, Partial**

Cat. No.: **MP1446F**

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

This membrane protein is Porcine FcRn (FCGRT & B2M) (16-289(FCGRT)&21-118(B2M)). It has been tested in SDS-PAGE, SPR. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Porcine

#### Target Protein

FcRn (FCGRT & B2M)

#### Protein Length

ECD

#### Molecular Weight

32.3 kDa (FCGRT) and 12.8 kDa (B2M)

#### Sequence

AA Asp 16 - Ser 289 (FCGRT) & Val 21 - His 118 (B2M) (Accession # Q6XAV9-1(FCGRT) & Q07717-1(B2M)).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, SPR

#### Expression Systems

HEK293

#### 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**

FcRn (FCGRT & B2M)

**Full Name**

Fc fragment of IgG receptor and transporter & beta-2-microglobulin

**Introduction**

binds and transports maternal immunoglobulin gamma from milk; plays a role in providing maternal immunity to neonates

**Alternative Names**

FCRN, alpha-chain, IgG receptor FcRn large subunit p51, Fc fragment of IgG, receptor, transporter, alpha, FcRn alpha chain, IgG Fc fragment receptor transporter alpha chain, heavy chain of the major histocompatibility complex class I-like Fc receptor, immunoglobulin receptor, intestinal, heavy chain, major histocompatibility complex class I-like Fc receptor, neonatal Fc receptor, neonatal Fc-receptor for Ig, transmembrane alpha chain of the neonatal receptor

**Gene ID**

[397399](#)

**UniProt ID**

[P13599A9Z0W1](#)