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# Product Information

## MemDX™ Antibody Discovery - Human FcRn (FCGRT & B2M) (24-297(FCGRT)&21-119(B2M)) Membrane Protein, Partial, [Biotin]

Cat. No.: **MP1439F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human FcRn (FCGRT & B2M) (24-297(FCGRT)&21-119(B2M)). 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**
FcRn (FCGRT & B2M)

**Protein Length**
ECD

**Molecular Weight**
31.2 kDa (FCGRT) and 13.1 kDa (B2M)

**Sequence**
AA Ala 24 - Ser 297 (FCGRT) & Ile 21 - Met 119 (B2M) (Accession # P55899-1 (FCGRT) & P61769-1 (B2M)).

## Product Description

**Activity**
Yes

**Application**
SDS-PAGE, SPR, BLI

**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

**Conjugation**

Biotin

**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**

FcRn (FCGRT & B2M)

**Full Name**

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

**Introduction**

This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants.

**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**

2217; 567

**UniProt ID**

P55899; P61769

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