

Product Information

MemDX™ Antibody Discovery - Rat FcRn (FCGRT & B2M) (23-298(FCGRT)&21-119(B2M))

Membrane Protein, Partial

Cat. No.: **MP1447F**

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

This membrane protein is Rat FcRn (FCGRT & B2M) (23-298(FCGRT)&21-119(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

Rat

Target Protein

FcRn (FCGRT & B2M)

Protein Length

ECD

Molecular Weight

31.8 kDa (FCGRT) and 13.1 kDa (B2M)

Sequence

AA Ala 23 - Ser 298 (FCGRT) & Ile 21 - Met 119 (B2M) (Accession # P13599-1 (FCGRT) & P07151-1 (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

[29558](#); [24223](#)

UniProt ID

[P13599](#); [P07151](#)