

Product Information

MemDX™ Antibody Discovery - Human beta 2-Microglobulin / B2M (21-119) Membrane

Protein, Partial, -His tag

Cat. No.: **MP1039F**

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

This membrane protein is Human beta 2-Microglobulin / B2M (21-119). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

beta 2-Microglobulin / B2M

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 12.6 kDa. The protein migrates as 14 kDa under reducing (R) condition (SDS-PAGE).

Sequence

AA Ile 21 - Met 119 (Accession # P61769-1).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

His tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/µg by the LAL method

Purity

>98% 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

beta 2-Microglobulin / B2M

Full Name

beta-2-microglobulin

Introduction

This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.

Alternative Names

IMD43; beta-2-microglobulin; beta chain of MHC class I molecules; beta-2-microglobin

Gene ID

[567](#)

UniProt ID

[P61769](#)