

Product Information

MemDX™ Antibody Discovery - Human BTN1A1 / Butyrophilin (27-242) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1016F**

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

This membrane protein is Human BTN1A1 / Butyrophilin (27-242). 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

BTN1A1 / Butyrophilin

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 50.6 kDa. As a result of glycosylation, the protein migrates as 55-66 kDa under reducing (R) condition, and 116-130 kDa under non-reducing (NR) condition (SDS-PAGE).

Sequence

AA Ala 27 - Arg 242 (Accession # AAH96312).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

Human IgG1 Fc 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

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. 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

BTN1A1 / Butyrophilin

Full Name

butyrophilin subfamily 1 member A1

Introduction

Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families

Alternative Names

BT; BTN; BTN1; butyrophilin subfamily 1 member A1; bK14H9.2 (butyrophilin, subfamily 1, member A1)

Gene ID

[696](#)

UniProt ID

[Q13410](#)