

Product Information

MemDX™ Membrane Protein Human JAM3 (Junctional adhesion molecule 3) Expressed in NS0 for Antibody Discovery, Partial (32-241aa, A149P)

Cat. No.: **MPX0635K**

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

This product is a 50 kDa Human JAM3 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

JAM3

Protein Length

Partial (32-241aa, A149P)

Protein Class

Cell adhesion

Molecular Weight

50 kDa

TMD

1

Sequence

VNLKSSNRTPVVQEFESVE
LSCIITDSQTS DPRIEWKKIQDEQTTYVFFDNKIQGDLAGRAEILGKTSL
KIWNVTRRDSALYRCEVVARNDRKEIDEIVIELTVQVKPVPVCRVPKPV
PVGKMATLHCQESEGHPRPHYSWYRNDVPLPTDSRANPRFRNSSFHLNSE
TGTLVFTAVHKDDSGQYYCIASNDAGSARCEEQEMEVDLN

Product Description

Activity

Yes

Expression Systems

NS0

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 µm filtered solution in Tris-Citrate and NaCl.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

JAM3

Full Name

Junctional adhesion molecule 3

Introduction

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is localized in the tight junctions between high endothelial cells. Unlike other proteins in this family, the this protein is unable to adhere to leukocyte cell lines and only forms weak homotypic interactions. The encoded protein is a member of the junctional adhesion molecule protein family and acts as a receptor for another member of this family. A mutation in an intron of this gene is associated with hemorrhagic destruction of the brain, subependymal calcification, and congenital cataracts. Alternative splicing results in multiple transcript variants.

Alternative Names

JAM3; JAMC; JAM-2; JAM-3; JAM-C; Junctional adhesion molecule 3

Gene ID

[83700](#)

UniProt ID

[Q9BX67](#)