

Product Information

MemDX™ Membrane Protein Human CD47 (CD47 molecule) Expressed in CHO for Antibody Discovery, Partial (19-139aa)

Cat. No.: **MPX0477K**

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

This product is a 42 kDa Human CD47 membrane protein expressed in CHO. 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

CD47

Protein Length

Partial (19-139aa)

Protein Class

Cell adhesion

Molecular Weight

42 kDa

TMD

5

Sequence

QLLFNKTKSVEFTFCNDTVVPCFVTNMEAQN
TTEVYVKWKFKGRDIYTFDGALNKSTVPTDFSSAKIEVSQLLKGDASLKM
DKSDAVSHTGNYTCEVTELTREGETIIELKYRVVSWFSP

Product Description

Activity

Yes

Expression Systems

CHO

Tag

hIgG1 Fc and Avi tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in PBS.

Endotoxin

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

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

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**

CD47

Full Name

CD47 molecule

Introduction

This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

CD47; IAP; OA3; MER6; leukocyte surface antigen CD47; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); CD47 glycoprotein; Rh-related antigen; antigen identified by monoclonal antibody 1D8; antigenic surface determinant protein OA3; integrin associated protein; integrin-associated signal transducer; CD47 molecule

Gene ID

[961](#)

UniProt ID

[Q08722](#)