

# Product Information

## **MemDX™ Membrane Protein Human CD276 (CD276 molecule) Expressed in NS0 for Antibody Discovery, Partial (27-461aa)**

Cat. No.: **MPX0576K**

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

This product is a 48 kDa Human CD276 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

CD276

#### Protein Length

Partial (27-461aa)

#### Protein Class

Receptor

#### Molecular Weight

48 kDa

#### TMD

1

#### Sequence

GALEVQVPEDPVVALVGTDATLCC  
SFSPEPGFSLAQLNLIWQLTDTKQLVHSFAEGQDQGSAYANRTALFPDLL  
AQGNASRLRLQVRVADEGSFTCFVSIRDFGSAAVSLQVAAPYSKPSMTLE  
PNKDLRPGDVTITCSSYQGYPEAEVFWQDQGQVPLTGNVTTSQMANEQG  
LFDVHSILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQ  
VPEDPVVALVGTDATLRCFSFPEPGFSLAQLNLIWQLTDTKQLVHSFTEG  
RDQGSAYANRTALFPDLLAQGNASRLRLQVRVADEGSFTCFVSIRDFGSA  
AVSLQVAAPYSKPSMTLEPNKDLRPGDVTITCSSYRGYPEAEVFWQDQG  
GVPLTGNVTTSQMANEQGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAH  
GSVTITGQPMT

### Product Description

#### Activity

Yes

## Expression Systems

NS0

## Tag

10xHis 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

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

## Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

## 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

CD276

### Full Name

CD276 molecule

## Introduction

The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Alternative Names

CD276; B7H3; B7-H3; B7RP-2; 4Ig-B7-H3; CD276 antigen; B7 homolog 3; costimulatory molecule; CD276 molecule

## Gene ID

[80381](#)

## UniProt ID

[Q5ZPR3](#)