

# Product Information

## **MemDX™ Antibody Discovery - Human Transferrin R / CD71 (89-760) Membrane Protein, Partial, His- tag, [Biotin]**

Cat. No.: **MP0442F**

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

This membrane protein is Human Transferrin R / CD71 (89-760). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### **Host Species**

Human

#### **Target Protein**

Transferrin R / CD71

#### **Protein Length**

ECD

#### **Molecular Weight**

The protein has a calculated MW of 76.0 kDa. The protein migrates as 75-85 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### **Sequence**

AA Cys 89 - Phe 760 (Accession # AAH01188.1).

### Product Description

#### **Activity**

Yes

#### **Application**

SDS-PAGE, ELISA

#### **Expression Systems**

HEK293

#### **Tag**

His tag at the N-terminus

#### **Protein Format**

Soluble

#### **Form**

LYOPH

### Reconstitution

Please see Certificate of Analysis for specific instructions.

### Endotoxin

<1.0 EU/μg by the LAL method

### Conjugation

Biotin

### Purity

>92% 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

Transferrin R / CD71

### Full Name

transferrin receptor

### Introduction

This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.

### Alternative Names

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46; transferrin receptor protein 1

### Gene ID

[7037](#)

### UniProt ID

[P02786](#)