

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](#)