

# Product Information

## **MemDX™ Antibody Discovery - Human CD73 (27-549) Membrane Protein, Partial, -His -Avi tag, [Biotin]**

Cat. No.: **MP1311F**

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

This membrane protein is Human CD73 (27-549). 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**

CD73

#### **Protein Length**

ECD

#### **Molecular Weight**

The protein has a calculated MW of 61.7 kDa. The protein migrates as 42 kDa and 60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### **Sequence**

AA Trp 27 - Ser 549 (Accession # P21589-1).

### Product Description

#### **Activity**

Yes

#### **Application**

SDS-PAGE, ELISA

#### **Expression Systems**

HEK293

#### **Tag**

His tag and Avi tag at the C-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

>90% as determined by SDS-PAGE.

### Buffer

Lyophilized from 0.22 μm filtered solution in 20 mM Tris, 120 mM NaCl, pH7.5. 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

CD73

### Full Name

5'-nucleotidase ecto

### Introduction

The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.

### Alternative Names

NT; eN; NT5; NTE; eNT; CD73; E5NT; CALJA; 5'-nucleotidase; 5'-NT; Purine 5-Prime-Nucleotidase; ecto-5'-nucleotidase

### Gene ID

[4907](#)

### UniProt ID

[P21589](#)