

Product Information

MemDX™ Antibody Discovery - Mouse CD73 (29-551) Membrane Protein, Partial, -His tag

Cat. No.: **MP1312F**

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

This membrane protein is Mouse CD73 (29-551). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Mouse

Target Protein

CD73

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 59.9 kDa. The protein migrates as 66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Trp 29 - Ser 551 (Accession # Q61503-1).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

His 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

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

This gene encodes a membrane-bound nucleotidase that hydrolyzes extracellular nucleoside monophosphates. The encoded preproprotein undergoes proteolytic processing to generate to a functional, homodimeric enzyme that preferentially uses adenosine monophosphate as a substrate to generate free adenosine. Mice lacking the encoded protein exhibit a significantly reduced fall in stop flow pressure and superficial nephron glomerular filtration rate in response to a saturating increase of tubular perfusion flow.

Alternative Names

NT; Nt5; eNT; CD73; 5'-NT; AI447961; 2210401F01Rik; 5'-nucleotidase; ecto-5'-nucleotidase

Gene ID

[23959](#)

UniProt ID

[Q61503](#)