

# Product Information

## MemDX™ Antibody Discovery - Cynomolgus B7-H2 / ICOSLG (19-256) Membrane Protein, Partial, -His tag

Cat. No.: **MP1031F**

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

This membrane protein is Cynomolgus B7-H2 / ICOSLG (19-256). 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

Cynomolgus

#### Target Protein

B7-H2 / ICOSLG

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 28.5 kDa. The protein migrates as 40-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### Sequence

AA Asp 19 - Thr 256 (Accession # XP\_005548617.1).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, ELISA

#### 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 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

B7-H2 / ICOSLG

### Full Name

inducible T cell costimulator ligand

### Introduction

Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function (By similarity).

### Alternative Names

ICOS ligand, B7 homolog 2, B7-like protein GI50, B7-related protein 1, transmembrane protein B7-H2 ICOS ligand

### Gene ID

[722191](#)

### UniProt ID

[A0A2I3TNW5](#)