

Product Information

MemDX™ Antibody Discovery - Human B7-H2 / ICOSLG (19-258) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1035F**

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

This membrane protein is Human B7-H2 / ICOSLG (19-258). 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

B7-H2 / ICOSLG

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 53.1 kDa. The protein migrates as 66-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Asp 19 - Ser 258 (Accession # O75144-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

Human IgG1 Fc 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

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and 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

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

B7h; B7H2; GL50; B7-H2; B7RP1; CD275; ICOSL; LICOS; B7RP-1; ICOS-L; ICOS ligand; B7 homolog 2; B7 homologue 2; B7-like protein GL50; B7-related protein 1; transmembrane protein B7-H2 ICOS ligand

Gene ID

[23308](#)

UniProt ID

[O75144](#)