

Product Information

MemDX™ Antibody Discovery - Human CD40 Ligand / TNFSF5 (116-261) Membrane Protein, Partial, hIgG1 Fc- tag

Cat. No.: **MP1267F**

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

This membrane protein is Human CD40 Ligand / TNFSF5 (116-261). It has been tested in SDS-PAGE, ELISA, SEC-SEC-MALS, FACS. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

CD40 Ligand / TNFSF5

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 74.7 kDa. The protein migrates as 120-150 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Gly 116 - Leu 261 (Accession # P29965-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA, SEC-SEC-MALS, FACS

Expression Systems

HEK293

Tag

Human IgG1 Fc 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

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Buffer

Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 150 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

CD40 Ligand / TNFSF5

Full Name

CD40 ligand

Introduction

The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.

Alternative Names

IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L; CD40 ligand; CD40 antigen ligand; CD40-L; T-B cell-activating molecule; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5

Gene ID

[959](#)

UniProt ID

[P29965](#)