

Product Information

MemDX™ Antibody Discovery - Human CD27 Ligand / CD70 (52-193) Membrane Protein, Partial, His- Flag- tag

Cat. No.: **MP1299F**

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

This membrane protein is Human CD27 Ligand / CD70 (52-193). It has been tested in SDS-PAGE, ELISA, SEC-SEC-MALS. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

CD27 Ligand / CD70

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 49.3 kDa. The protein migrates as 50-60 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Ser 52 - Pro 193 (Accession # P32970-1) trimer Design.

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA, SEC-SEC-MALS

Expression Systems

HEK293

Tag

His tag at the N-terminus, followed by a Flag tag.

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.

>95% as determined by SEC-MALS.

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

CD27 Ligand / CD70

Full Name

CD70 molecule

Introduction

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.

Alternative Names

CD27L; LPFS3; CD27-L; CD27LG; TNFSF7; TNLG8A; CD70 antigen; CD27 ligand; Ki-24 antigen; surface antigen CD70; tumor necrosis factor ligand 8A; tumor necrosis factor ligand superfamily member 7

Gene ID

[970](#)

UniProt ID

[P32970](#)