

Product Information

MemDX™ Antibody Discovery - Human CD27 / TNFRSF7 (21-192) Membrane Protein, Partial, -mIgG2a Fc tag, low endotoxin

Cat. No.: **MP1098F**

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

This membrane protein is Human CD27 / TNFRSF7 (21-192). It has been tested in SDS-PAGE, ELISA, Cell based assay. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

CD27 / TNFRSF7

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 46.2 kDa. The protein migrates as 55-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Thr 21 - Ile 192 (Accession # P26842-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA, Cell based assay

Expression Systems

HEK293

Tag

Mouse IgG2a Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<0.1 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

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

CD27 / TNFRSF7

Full Name

CD27 molecule

Introduction

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.

Alternative Names

CD27, CD27 molecule, TNFRSF7, tumor necrosis factor receptor superfamily, member 7, CD27 antigen, S152, Tp55, CD27L receptor, T cell activation antigen S152, T-cell activation antigen CD27, tumor necrosis factor receptor superfamily, member 7, T14, TNFRSF7, MGC20393,

Gene ID

[939](#)

UniProt ID

[P26842](#)