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Product Information

MemDX™ Antibody Discovery - Mouse CD27 / TNFRSF7 (21-182) Membrane Protein, Partial, -mIgG2a Fc tag, low endotoxin

Cat. No.: **MP1097F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse CD27 / TNFRSF7 (21-182). 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
Mouse

Target Protein
CD27 / TNFRSF7

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 45.1 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Thr 21 - Arg 182 (Accession # P41272-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

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 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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

CD27 / TNFRSF7

Full Name

CD27 antigen

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 antigen, CD antigen 27, CD27L receptor, T-cell activation antigen CD27, tumor necrosis factor receptor superfamily member 7, tumor necrosis factor receptor superfamily, member 7, S152, Tp55, Tnfrsf7,

Gene ID

21940

UniProt ID

P41272

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