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Product Information

MemDX™ Antibody Discovery - Cynomolgus / Rhesus macaque CD27 / TNFRSF7 (20-191)

Membrane Protein, Partial, -mIgG2a Fc tag, low endotoxin

Cat. No.: **MP1099F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Cynomolgus / Rhesus macaque CD27 / TNFRSF7 (20-191). 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
Cynomolgus / Rhesus macaque

Target Protein
CD27 / TNFRSF7

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 46.2 kDa. The protein migrates as 50-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Ala 20 - Arg 191 (Accession # XP_005569963.1).

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 50 mM Tris, 100 mM Glycine, 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 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 antigen; TNFRSF7; CD27L receptor; tumor necrosis factor receptor superfamily, member 7

Gene ID

712693

UniProt ID

G7N5M1

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