

Product Information

MemDX™ Membrane Protein Human CD27 (CD27 molecule) Expressed in NS0 for Antibody Discovery, Partial (21-192aa)

Cat. No.: **MPX0219K**

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

This product is a 46.5 kDa Human CD27 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD27

Protein Length

Partial (21-192aa)

Protein Class

Receptor

Molecular Weight

46.5 kDa

TMD

1

Sequence

TPAPKSCPERHYWAQGKLCCQMCEPGTFLV
KDCDQHRKAAQCDPCIPGVSFSPDHHTRPHCESCRHCNSGLLVNRNCTITA
NAECACRNGWQCRDKECTCDPLPNPSLTARSSQALSPHPQPHTLPYVSE
MLEARTAGHMQTLADFRQLPARTLSTHWPPQRSRLCSSDFIRI

Product Description

Expression Systems

NS0

Tag

hIgG1 Fc and 6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CD27

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; T14; S152; Tp55; TNFRSF7; S152. LPFS2; CD27 antigen; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7; CD27 molecule

Gene ID

[939](#)

UniProt ID

[P26842](#)