

Product Information

MemDX™ Membrane Protein Human CD40LG (CD40 ligand) for Antibody Discovery

Cat. No.: **MP1564J**

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

This product is a 16.3 kDa Human CD40LG membrane protein expressed in *E.coli*. 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

CD40LG

Protein Length

Partial (113-261aa)

Protein Class

Drug Target

Molecular Weight

16.3 kDa

Sequence

MQKGDQNPQI AAHVISEASS KTTSVLQWAE KGYTMSNNL VTLENGKQLT VKRQGLYYIY AQVTFCSNRE
ASSQAPFIAS LWLKSPGRFE RILLRAANTH SSAKPCGQQS IHLGGVFELQ PGASVFNVT DPSQVSHGTG
FTSFGLLKL

Product Description

Activity

Yes

Expression Systems

E.coli

Tag

Tag-Free

Form

Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-58% of glycerol (final concentration).

Endotoxin

<1.0 EU/μg

Purity

>95% as determined by SDS-PAGE

Buffer

0.2 μm filtered PBS, pH 7.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CD40LG

Full Name

CD40 ligand

Introduction

The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.

Alternative Names

CD 40L; CD154; CD40 antigen ligand; CD40 ligand; CD40 ligand; soluble form; CD40-L; CD40L; CD40L_HUMAN; CD40LG; gp39; hCD40L; HIGM1; IGM; IMD3; T B cell activating molecule; T BAM; T-cell antigen Gp39; TNF-related activation protein; TNFSF5; TrAP; Tumor necrosis factor (ligand) superfamily member 5; Tumor necrosis factor ligand superfamily member 5; TRAP; T-BAM; hCD40L

Gene ID

[959](#)

UniProt ID

[P29965](#)