Product Information

MemDX™ Membrane Protein Human CD40LG (CD40 ligand, 113-261aa) for Antibody Discovery

Cat. No.: **MP1484J**
This product is for research use only and is not intended for diagnostic use.

This product is a 16.2 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
Immune Checkpoints

Molecular Weight
16.2 kDa

TMD
1

Sequence
MQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYYTMSNNLVTLENGKQLTVKRQGLYYIYAQVTFCSNREASSQAPFIASLCLKSPG

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 5-50% of glycerol (final concentration).

Endotoxin

<1.0 EU/μg

Purity

>95% as determined by SDS-PAGE

Buffer

0.2 μm filtered 20 mM PB, 200 mM NaCl, 0.1 mM EDTA, 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

Gene ID

959

UniProt ID

P29965