

# Product Information

## Recombinant Anti-Human CD40LG Antibody scFv Fragment

Cat. No.: **MOM-18027-S(P)**

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

### Product Overview

Recombinant Humanized (from mouse) Antibody scFv Fragment is specific to Human CD40L, expressed in E. coli

### Antigen Description

Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. Involved in immunoglobulin class switching. Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway.

### Specific Activity

Tested positive against native antigen.

### Target

CD40L

### Immunogen

Animals were immunized with D1.1 cells.

### Source

Humanized (from mouse)

### Species Reactivity

Human

### Type

scFv Fragment from Humanized (from mouse) IgG1 - kappa

### Expression Host

E. coli

### Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

### Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

## BACKGROUND

### Keywords

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## ANTIGEN GENE INFORMATION

### Gene Name

[CD40LG CD40 ligand \[ Homo sapiens \]](#)

### Official Symbol

CD40LG

### Synonyms

CD40LG; CD40 ligand; HIGM1, IMD3, TNFSF5, tumor necrosis factor (ligand) superfamily, member 5 (hyper IgM syndrome); CD40 antigen ligand; CD40L; CD154; gp39; hCD40L; hyper IgM syndrome; T B cell activating molecule; TNF related activation protein; TRAP; tumor necrosis factor (ligand) superfamily member 5; CD40-L; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; IGM; IMD3; HIGM1; T-BAM; TNFSF5;

### Gene ID

[959](#)

### mRNA Refseq

[NM\\_000074](#)

### Protein Refseq

[NP\\_000065](#)

### MIM

[300386](#)

### UniProt ID

P29965

### Chromosome Location

Xq26

### Pathway

Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem;

### Function

CD40 receptor binding; cytokine activity; tumor necrosis factor receptor binding;