

Product Information

Recombinant Anti-Human CD40LG Antibody Fab Fragment

Cat. No.: **MOM-H16-F(P)**

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

Product Overview

Recombinant Humanized (from rat) Antibody Fab Fragment is directed against Human CD40LG, expressed in E. coli

Antigen Description

CD154, also called CD40 ligand or CD40L, is a protein that is primarily expressed on activated T cells and is a member of the TNF superfamily of molecules. It binds to CD40 on antigen-presenting cells (APC), which leads to many effects depending on the target cell.

Specific Activity

CD40LG (CD40 ligand, CD40L, tumor necrosis factor ligand superfamily member 5, TNFSF5, tumor necrosis factor related activation protein, TRAP, CD154) [Homo sapiens]

Target

CD40LG

Source

Humanized (from rat)

Species Reactivity

Human

Type

Humanized (from rat) Fab-G1 - kappa

Expression Host

E. coli

Purity

Purity >95% by SDS-PAGE.

Purification

Purified by Nickel ion affinity chromatography

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Cellular Localization

kappa

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

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;