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Product Information

Recombinant Anti-Human CD40LG Antibody Fab Fragment

Cat. No.: **MOM-18027-F(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment specifically binds 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

Fab Fragment based on Humanized (from mouse) IgG1 - kappa

Expression Host

E. coli

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

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

Storage

At -20°C for one year.

BACKGROUND

Keywords

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ANTIGEN GENE INFOMATION

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;

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