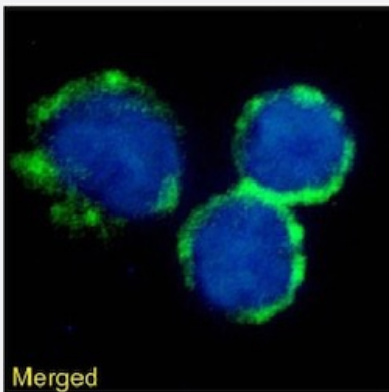


RecomAb™

# CD40LG recombinant monoclonal antibody, clone AT161-10

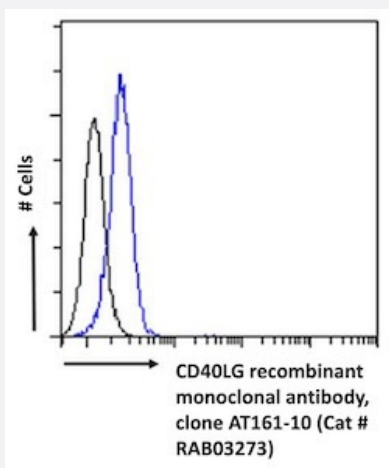
Catalog # RAB03273      Size 200 ug

## Applications



### Immunofluorescence

Immunofluorescent staining of human peripheral blood monocytes with CD40LG recombinant monoclonal antibody, clone AT161-10 (Cat # RAB03273). Human peripheral blood monocytes immobilized on Shi-fix™ cover-slips and stained with the chimeric r version of RAB03273 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody (3.0) followed by Alexa Fluor® 488 secondary antibody.



### Flow Cytometry

Flow cytometric analysis of human peripheral blood leukocytes with CD40LG recombinant monoclonal antibody, clone AT161-10 (Cat # RAB03273). Human peripheral blood leukocytes were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control- black line) or the r1 version of RAB03273 (blue line) at a dilution of 1:100 for 1h at RT. After washing- bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

## Specification

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| Product Description | Rabbit recombinant monoclonal antibody raised against human CD40LG.                            |
| Antibody Species    | Rabbit                                                                                         |
| Immunogen           | Original antibody is raised against Chinese hamster ovary (CHO) cells expressing human CD40LG. |

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Reactivity          | Human                                                                                                               |
| Form                | Liquid                                                                                                              |
| Isotype             | IgG kappa                                                                                                           |
| Recommend Usage     | ELISA<br>Flow Cytometry<br>Immunofluorescence<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS (0.02% Proclin 300)                                                                                          |
| Storage Instruction | Store at 4°C for 3 months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunofluorescence

Immunofluorescent staining of human peripheral blood monocytes with CD40LG recombinant monoclonal antibody, clone AT161-10(Cat # RAB03273).

Human peripheral blood monocytes immobilized on Shi-fix™ cover-slips and stained with the chimeric r version of RAB03273 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody (3.0) followed by Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of human peripheral blood leukocytes with CD40LG recombinant monoclonal antibody, clone AT161-10 (Cat # RAB03273).

Human peripheral blood leukocytes were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control- black line) or the r1 version of RAB03273 (blue line) at a dilution of 1:100 for 1h at RT. After washing- bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

## Gene Info — CD40LG

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Entrez GeneID    | <a href="#">959</a>                                               |
| Gene Name        | CD40LG                                                            |
| Gene Alias       | CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39, hCD40L |
| Gene Description | CD40 ligand                                                       |
| Omim ID          | <a href="#">300386</a> <a href="#">308230</a>                     |

## Gene Ontology

[Hyperlink](#)

## Gene Summary

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. [provided by RefSeq]

## Other Designations

CD40 antigen ligand|OTTHUMP00000024130|T-B cell-activating molecule|TNF-related activation protein|tumor necrosis factor (ligand) superfamily member 5

## Pathway

- [Allograft rejection](#)
- [Asthma](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Cytokine-cytokine receptor interaction](#)
- [Primary immunodeficiency](#)
- [Systemic lupus erythematosus](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Drug Eruptions](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Immunologic Deficiency Syndromes](#)
- [Infant](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pemphigus](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Severe Combined Immunodeficiency](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)

- [Tuberculosis](#)
- [Werner syndrome](#)