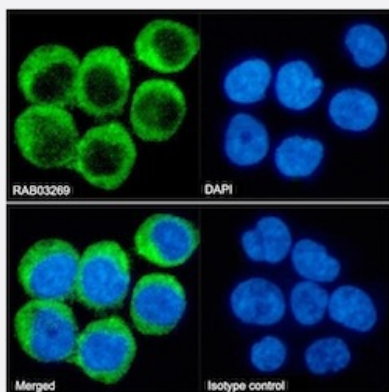


RecomAb™

# CD40LG recombinant monoclonal antibody, clone chi220

Catalog # RAB03269 Size 200 ug

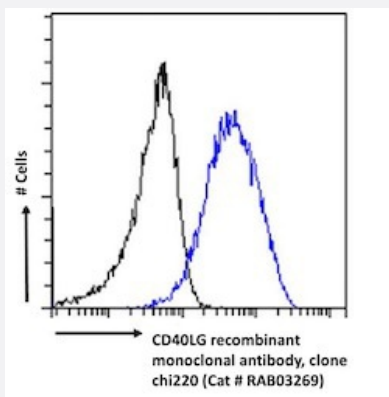
## Applications



### Immunofluorescence

Immunofluorescent staining of Daudi cells with CD40LG recombinant monoclonal antibody, clone chi220 (Cat # RAB03269).

Daudi cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03269 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03269- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.



### Flow Cytometry

Flow cytometric analysis of Daudi cells with CD40LG recombinant monoclonal antibody, clone chi220 (Cat # RAB03269).

Daudi cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r1 version of RAB03269 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r 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 a fusion protein containing extracellular domain of human CD40 fused to the hinge CH2 and CH3 domains of a murine IgG2b antibody. |
| Reactivity          | Human                                                                                                                                                                 |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                 |
| Isotype             | IgG kappa                                                                                                              |
| Recommend Usage     | Blocking<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 Daudi cells with CD40LG recombinant monoclonal antibody, clone chi220 (Cat # RAB03269). Daudi cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03269 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right-top-bottom RAB03269- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.

- Blocking

- Flow Cytometry

Flow cytometric analysis of Daudi cells with CD40LG recombinant monoclonal antibody, clone chi220 (Cat # RAB03269). Daudi cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r1 version of RAB03269 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r 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    | <a href="#">Hyperlink</a>                                         |

**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](#)