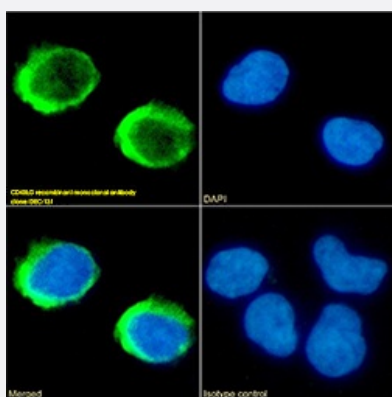


RecomAb™

CD40LG recombinant monoclonal antibody, clone IDEC-131 (Toralizumab)

Catalog # RAB01132 Size 200 ug

Applications



Immunofluorescence

Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on coverslips stained with the chimeric rabbit IgG version of IDEC-131 (Toralizumab) 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, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human CD154.
Antibody Species	Mouse
Immunogen	Original antibody is raised against by immunization with a soluble fusion protein of human gp39.
Reactivity	Human
Specificity	This antibody is a non agonistic antibody specific for human CD40 ligand.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG1, Kappa
Recommend Usage	Immunofluorescence The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS with 0.02% Proclin 300

Storage Instruction

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Applications

- Immunofluorescence

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Gene Info — CD40LG

Entrez GeneID[959](#)**Protein Accession#**[P29965](#)**Gene Name**

CD40LG

Gene Alias

CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39, hCD40L

Gene Description

CD40 ligand

Omim ID[300386](#) [308230](#)**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](#)