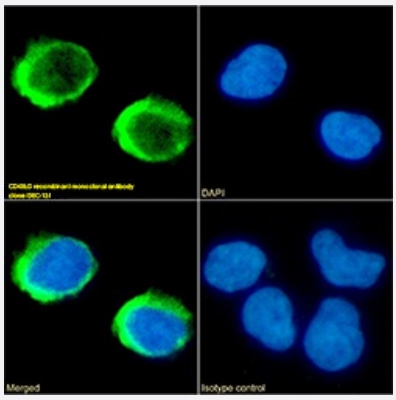
RecomAb™

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

Catalog # RAB01133 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	Rabbit recombinant monoclonal antibody raised against human CD154.
Antibody Species	Rabbit
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 specifc for human CD40 ligand.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A affinity purification
Isotype	IgG, Kappa

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

  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.

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 functio n by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo i mmunoglobulin 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.