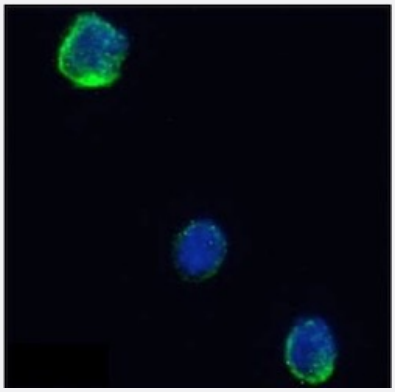
RecomAb™

CD40LG recombinant monoclonal antibody, clone YMF323.6

Catalog # RAB03164 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of human peripheral blood monocytes (PBMs) with CD40LG recombinant monoclonal antibody, clone YMF323.6 (Cat # RAB03164).
Immunofluorescence analysis of paraformaldehyde fixed human PBMs on Shi-fix™ coverslips- permewith 0.15% Triton and stained with the chimeric r version of RAB03164 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with an anti-Fluorescein antibody (0) followed by Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD40LG.
Antibody Species	Rabbit
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG
Recommend Usage	Flow Cytometry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of human peripheral blood monocytes (PBMs) with CD40LG recombinant monoclonal antibody, clone YMF323.6 (Cat # RAB03164).
  Immunofluorescence analysis of paraformaldehyde fixed human PBMs on Shi-fix™ coverslips- permewith 0.15% Triton and stained with the chimeric r version of RAB03164 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with an anti-Fluorescein antibody (0) followed by Alexa Fluor® 488 secondary antibody.

- Flow Cytometry

- Western Blot

Gene Info — CD40LG

Entrez GeneID	959
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.