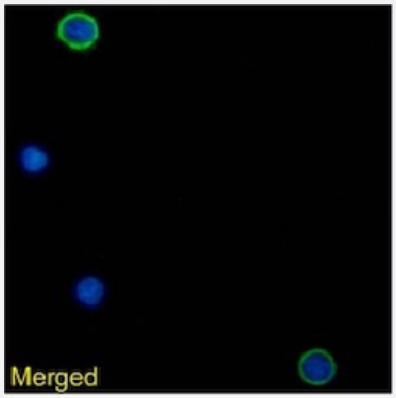
RecomAb™

CD40LG recombinant monoclonal antibody, clone AT161-8

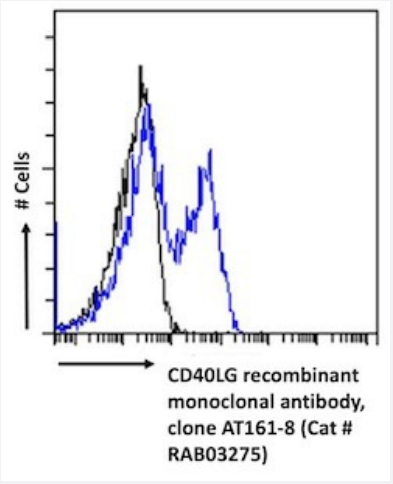
Catalog # RAB03275 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of human peripheral blood monocytes with CD40LG recombinant monoclonal antibody, clone AT161-8 (Cat # RAB03275). Human peripheral blood monocytes immobilized on Shi-fix™ cover-slips and stained with the chimeric r version of RAB03275 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining in a subset of cells. 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 AT161-8 (Cat # RAB03275). Human peripheral blood leukocytes were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control- black line) or the r1 version of RAB03275 (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.

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Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG kappa
Recommend Usage	Flow Cytometry Immunofluorescence 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. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of human peripheral blood monocytes with CD40LG recombinant monoclonal antibody, clone AT161-8 (Cat # RAB03275).
  Human peripheral blood monocytes immobilized on Shi-fix™ cover-slips and stained with the chimeric r version of RAB03275 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining in a subset of cells. 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 AT161-8 (Cat # RAB03275).
  Human peripheral blood leukocytes were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control- black line) or the r1 version of RAB03275 (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	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

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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
- 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

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- 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

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- Tuberculosis
- Werner syndrome

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