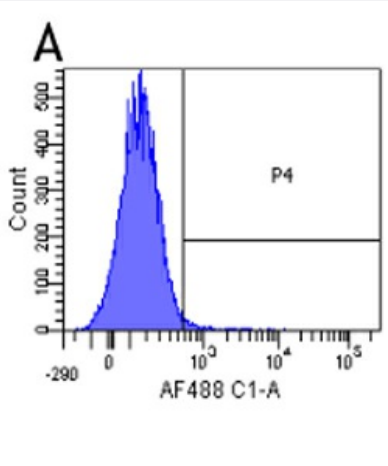
RecomAb™

CD40LG recombinant monoclonal antibody, clone hu5c8 (Ruplizumab)

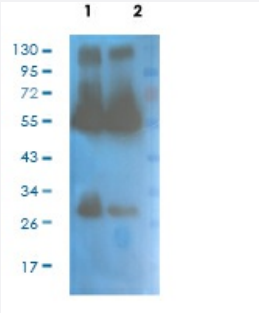
Catalog # RAB01144 Size 200 ug

Applications



Flow Cytometry

Flow-cytometry were stained with an isotype control at a concentration of 1 ug/mL for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.



Western Blot

Western Blot analysis were resolved on a 10% SDS PAGE gel and blots probed at 1 ug/mL before being detected by a secondary antibody. The expected band size (29 kDa) is seen in the human-derived samples, as well as bands corresponding to dimers and other multimers.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human CD40L.
Antibody Species	Mouse
Immunogen	Original antibody is raised against human CD40L.

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Reactivity	Human
Specificity	The antibody binds to CD40L with an IC50 of 0.845 ug/Ml.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A affinity purification
Isotype	IgG2a, Kappa
Recommend Usage	Flow cytometry Western Blot 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.

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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

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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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