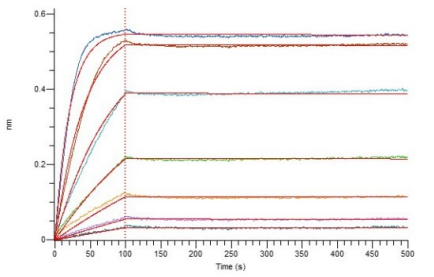
RecomAb™

CD40LG recombinant monoclonal antibody (Ruplizumab)

Catalog # RAB09693 Size 50 ug

Applications



Bio-layer interferometry

Loaded CD40LG recombinant monoclonal antibody (Cat# RAB09693) on Protein A Biosensor, can bind Human CD40LG-His with an affinity constant of 0.02 nM as determined in BLI assay.

Greater than 95% as determined by reducing SDS-PAGE.

Specification

Product Description	Recombinant human monoclonal antibody (Ruplizumab) raised against human CD40LG.
Host	Human
Theoretical MW (kDa)	49.0, 23.9
Form	Liquid
Preparation Method	Mammalian expression system
Purity	Greater than 95% as determined by reducing SDS-PAGE.

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Endotoxin Level	< 1 EU/ug as determined by LAL test.
Isotype	Human IgG1
Regulatory Status	For research use only (RUO)
Recommend Usage	BLI assay The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

Applications

- Bio-layer interferometry

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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 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

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- 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

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- 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

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