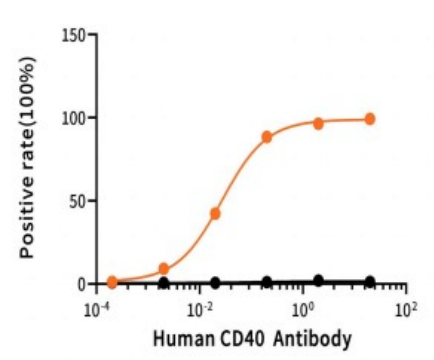
RecomAb™

CD40 recombinant monoclonal antibody (Ravagalimab)

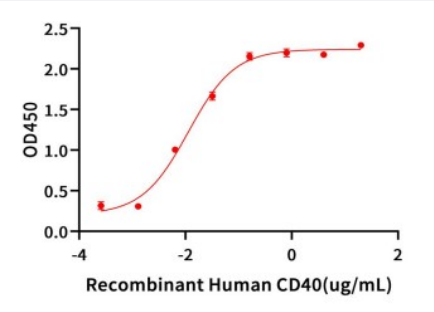
Catalog # RAB09726 Size 50 ug

Applications



Flow Cytometry

Measured by its binding ability in 293 cell overexpressing human CD40 (3×10^5 of cells per well) by flow cytometry. The ED_{50} for this effect is 26.9 ng/mL . Orange: CD40 recombinant monoclonal antibody (Cat# RAB09726); Black: IgG1



Enzyme-linked Immunoabsorbent Assay

Immobilized CD40 recombinant monoclonal antibody (Cat# RAB09726) at 5 ug/mL (100 uL/well) can bind Recombinant Human CD40 (C-mFc). The ED_{50} of Recombinant Human CD40 (C-mFc) is 11.29 ng/mL .

Specification

Product Description	Recombinant human monoclonal antibody raised against human CD40.
Host	Human
Theoretical MW (kDa)	48.8, 24.2
Form	Liquid
Preparation Method	Mammalian expression system
Endotoxin Level	< 1 EU/ug as determined by LAL test.

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Isotype	Human IgG1
Regulatory Status	For research use only (RUO)
Recommend Usage	ELISA Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 20 mM Histidine, 8% Sucrose, 0.06% Tween80, pH5.0 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

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Gene Info — CD40

Entrez GeneID	958
Protein Accession#	P25942
Gene Name	CD40
Gene Alias	Bp50, CDW40, MGC9013, TNFRSF5, p50
Gene Description	CD40 molecule, TNF receptor superfamily member 5
Omim ID	109535 606843
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor ha s been found to be essential in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and ger minal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transdu ction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-indu ced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogene sis. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	B cell surface antigen CD40|B cell-associated molecule|CD40 antigen|CD40 antigen (TNF recept or superfamily member 5)|CD40 type II isoform|CD40L receptor|OTTHUMP00000031699|OTTHU MP00000031700|nerve growth factor receptor-related B-lymphocyte activation mol

Pathway

- Allograft rejection
- Asthma
- Autoimmune thyroid disease
- Cell adhesion molecules (CAMs)
- Cytokine-cytokine receptor interaction
- Primary immunodeficiency
- Systemic lupus erythematosus
- Toll-like receptor signaling pathway

Disease

- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Brain Ischemia
- Bronchiolitis

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- Calcinosis
- Cardiovascular Diseases
- Colitis
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Diabetes Mellitus
- Diabetic Angiopathies
- Disease Progression
- Drug Eruptions
- Edema
- Endometriosis
- Genetic Predisposition to Disease
- Graves Disease
- Hashimoto Disease
- Hematologic Diseases
- Hepatitis B
- Hodgkin Disease
- Hypertension
- Infant
- Inflammation
- Kidney Failure
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Mucocutaneous Lymph Node Syndrome

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- Multiple Myeloma
- Multiple Sclerosis
- Myasthenia Gravis
- Occupational Diseases
- Pemphigus
- Pulmonary Disease
- Recurrence
- Respiratory Syncytial Virus Infections
- Rupture
- Stroke
- Thyroiditis
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Wegener Granulomatosis
- Werner syndrome

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