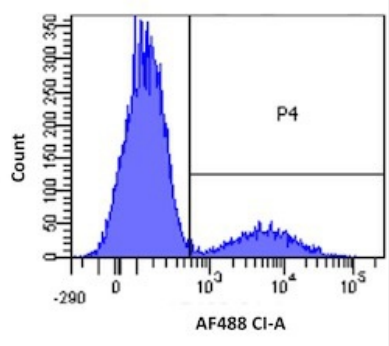
RecomAb™

# CD40 recombinant monoclonal antibody, clone ZL7-4

Catalog # RAB03334 Size 200 ug

## Applications




### Flow Cytometry

Flow cytometric analysis of human lymphocytes with CD40 recombinant monoclonal antibody, clone ZL7-4 (Cat # RAB03334).
Human lymphocytes were stained with an isotype control (3.0- panel A) or the rmeric version of RAB03334 (panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing- bound antibody was detected using a AF488 conjugated donkey anti-ribody ( and cells analysed on a FACSCanto flow-cytometer.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human CD40. |
| **Antibody Species** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Isotype** | IgG kappa |
| **Recommend Usage** | Flow Cytometry<br>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.<br>Aliquot to avoid repeated freezing and thawing. |

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- Flow Cytometry

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## Gene Info — CD40

| | |
|---|---|
| **Entrez GeneID** | 958 |
| **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 |
| **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

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- 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
- Calcinosis
- Cardiovascular Diseases
- Colitis
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Diabetes Mellitus
- Diabetic Angiopathies
- Disease Progression
- Drug Eruptions
- Edema

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- 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
- Multiple Myeloma
- Multiple Sclerosis
- Myasthenia Gravis
- Occupational Diseases
- Pemphigus
- Pulmonary Disease
- Recurrence
- Respiratory Syncytial Virus Infections
- Rupture
- Stroke
- Thyroiditis

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- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Wegener Granulomatosis
- Werner syndrome

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