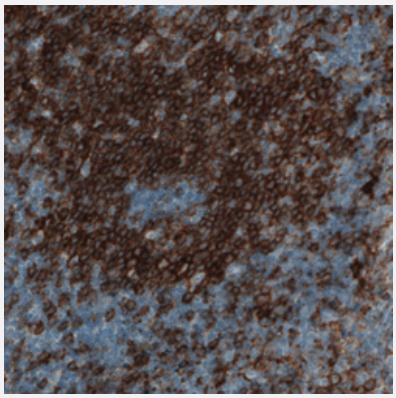
CD40 monoclonal antibody, clone CL1673

Catalog # MAB15718 Size 100 uL

Applications

Western Blot (Tissue lysate)

Western Blot analysis of human spleen tissue lysate with CD40 monoclonal antibody, clone CL1673 (Cat # MAB15718).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with CD40 monoclonal antibody, clone CL1673 (Cat # MAB15718) shows strong membranous immunoreactivity in the reaction center cells.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CD40.
Immunogen	Recombinant protein corresponding to human CD40.
Sequence	KQYLINSQCCSLCQPGQKLVSDCTEFTETECLPCGESEFLDTWNRETHCHQHKYCDPNLGLRVQ QKGTSETDTICTCE
Host	Mouse
Reactivity	Human

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Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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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 has 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 germinal 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 transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. 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 receptor superfamily member 5)|CD40 type II isoform|CD40L receptor|OTTHUMP00000031699|OTTHUMP00000031700|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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