

C4A/C4B monoclonal antibody, clone KT29

Catalog # MAB1672 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native C4.
Immunogen	Native Purified human C4.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	ELISA (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — C4A

Entrez GeneID [720](#)

Gene Name	C4A
Gene Alias	C4, C4A2, C4A3, C4A4, C4A6, C4S, CO4, CPAMD2, MGC164979, RG
Gene Description	complement component 4A (Rodgers blood group)
Omim ID	120810
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the acidic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus and type I diabetes mellitus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. [provided by RefSeq]
Other Designations	C4A anaphylatoxin OTTHUMP00000029266 Rodgers form of C4 acidic C4 complement component 4A

Gene Info — C4B

Entrez GeneID	721
Gene Name	C4B
Gene Alias	C4A, C4A13, C4A91, C4B1, C4B12, C4B2, C4B3, C4B5, C4F, CH, CO4, CPAMD3, FLJ60561, MGC164979
Gene Description	complement component 4B (Chido blood group)
Omim ID	120820
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9. [provided by RefSeq]

Other Designations

Chido form of C4|OTTHUMP00000029269|basic C4|complement C4B1a|complement component 4B|complement component 4B (Chido blood group)

Pathway

- [Complement and coagulation cascades](#)
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- [Systemic lupus erythematosus](#)
- [Systemic lupus erythematosus](#)

Disease

- [Adrenal hyperplasia](#)
- [Adrenal hyperplasia](#)
- [Alzheimer disease](#)
- [Angina Pectoris](#)
- [Atherosclerosis](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Autoimmune Diseases](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Disorders](#)
- [Coronary Artery Disease](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Opportunistic Infections](#)
- [Opportunistic Infections](#)
- [Osteoporosis](#)
- [Purpura](#)
- [Recurrence](#)
- [Recurrence](#)