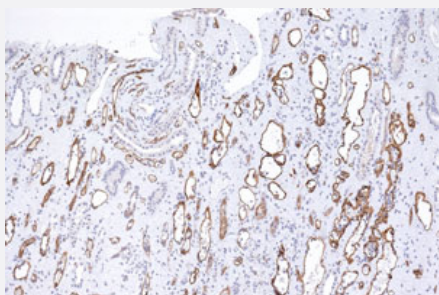


C4A monoclonal antibody, clone C4D204

Catalog # MAB11226 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney tissue using C4A monoclonal antibody, clone C4D204 (Cat # MAB11226).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant C4d.
Immunogen	Recombinant protein corresponding to human C4d.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney tissue using C4A monoclonal antibody, clone C4D204 (Cat # MAB11226).

Gene Info — C4A

Entrez GeneID	720
Protein Accession#	NP_001239133
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

Pathway

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

Disease

- [Adrenal hyperplasia](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Opportunistic Infections](#)
- [Purpura](#)
- [Recurrence](#)