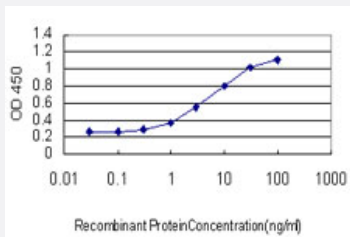


C4B monoclonal antibody (M01), clone 2E3

Catalog # H00000721-M01

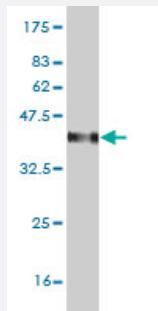
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged C4B is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant C4B.
Immunogen	C4B (NP_000583, 1347 a.a. ~ 1446 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NNRQIRGLEEEELQFSLGSKINVKVGGNSKGLKVLRTYNVLDKNTTCQDLQIEVTVKGHVEYTMEANEDYEDYEDELPAKDDPDAPLQPVTPLQLFEG
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (80); Rat (80)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged C4B is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — C4B

Entrez GeneID	721
GeneBank Accession#	NM_000592
Protein Accession#	NP_000583
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](#)
- [Systemic lupus erythematosus](#)

Disease

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

- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Opportunistic Infections](#)
- [Osteoporosis](#)
- [Recurrence](#)