

C2 monoclonal antibody (M07), clone 7G1

Catalog # H00000717-M07

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant C2.
Immunogen	C2 (NP_000054.2, 21 a.a. ~ 243 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	APSCPQNVNISGGTFTLSHGWA PGSLITYSCPQGLYSPASRLCKSSGQWQTPGATRSLSKAVC KPVRC PAPVSFENGIYTPRLGSYPVGGNVSFECEDGFILRGSPVRQCRPNGMWDGETAVCDNG AGHCPNPGISLGAVRTGFRFGHGDKVRYRCSSNLVLTGSSERECQNGVWSGTEPICRQPYSYD FPEDVAPALGTSFSHMLGATNPTQKTKE SLGR
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — C2

Entrez GeneID	717
GeneBank Accession#	NM_000063.3
Protein Accession#	NP_000054.2

Gene Name	C2
Gene Alias	CO2, DKFZp779M0311
Gene Description	complement component 2
Omim ID	217000 603075
Gene Ontology	Hyperlink
Gene Summary	Component C2 is a serum glycoprotein that functions as part of the classical pathway of the complement system. Activated C1 cleaves C2 into C2a and C2b. The serine proteinase C2a then combines with complement factor 4b to create the C3 or C5 convertase. Deficiency of C2 has been reported to associated with certain autoimmune diseases and SNPs in this gene have been associated with altered susceptibility to age-related macular degeneration. This gene localizes within the class III region of the MHC on the short arm of chromosome 6. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described in publications but their full-length sequence has not been determined
Other Designations	C3/C5 convertase OTTHUMP00000029277 OTTHUMP00000062690 complement C2 complement component C2

Pathway

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

Disease

- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Birth Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Choroid Diseases](#)
- [Choroidal Neovascularization](#)
- [Coronary Aneurysm](#)
- [Coronary Artery Disease](#)

- [Coronary Disease](#)
- [Cross Infection](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Geographic Atrophy](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Retinal Diseases](#)
- [Retinal Drusen](#)

- [Vision](#)
- [Wet Macular Degeneration](#)
- [Wounds and Injuries](#)