C2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	C2, Monoclonal Antibody
Full Product Name	C2 (Complement Component 2, CO2, DKFZp779M0311) (Biotin)
Product Gene Name	anti-C2 antibody
Product Synonym Names	Complement Component 2; CO2; DKFZp779M0311
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	7G1
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes C2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	69,444 Da
OMIM	217000
3D Structure	ModBase 3D Structure for P06681
Immunogen	C2 (NP_000054.2, 21aa-243aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	APSCPQNVNISGGTFTLSHGWAPGSLLTYSCPQGLYPSPASRLCKSSGQWQTPGATRSLSKAVCKPVRCPAPVSFENGIYTPRLGSYPVGGNVSFECE
Conjugate	Biotin
Product Categories/Family for anti-C2 antibody	Antibodies; Complement
Applications Tested/Suitable for anti-C2 antibody	ELISA (EIA)
Application Notes for anti-C2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-C2 antibody	Component C2 is a serum glycoprotein that functions as part of the classical pathway of the complement system. Activated C1 cleaves C2 into C2a an diseases and SNPs in this gene have been associated with altered susceptibility to age-related macular degeneration. This gene localizes within the cl described in publications but their full-length sequence has not been determined.
Other Notes	Small volumes of anti-C2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary

Searchable Terms for C2 purchase	MBS6174294 is an antibody targeting C2. Also known as C2 (Complement Component 2, CO2, DKFZp779M0311) (Biotin). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C2. It may not necessarily be applicable to this product.

NCBI GI #	14550407
NCBI GeneID	717
NCBI Accession #	NP_000054.2
UniProt Primary Accession #	P06681
UniProt Secondary Accession #	O19694; Q13904; B4DPF3; B4DV20; E9PFN7
UniProt Related Accession #	P06681
GenBank Nucleotide #	NM_000063.5
NCBI Official Full Name	complement C2 isoform 1 preproprotein
NCBI Official Synonym Full Names	complement component 2
NCBI Official Symbol	C2
NCBI Official Synonym Symbols	CO2; ARMD14
UniProt Protein Name	Complement C2
UniProt Synonym Protein Names	C3/C5 convertase
Protein Family	Chalcone synthase
UniProt Gene Name	C2
UniProt Entry Name	CO2_HUMAN
NCBI Protein Information	complement C2
UniProt Comments for C2	Component C2 which is part of the classical pathway of the complement system is cleaved by activated factor C1 into two fragments: C2b and C2a. C2a, a serine protease, then combines with complement factor C4b to generate the C3 or C5 convertase.
Research Articles on C2	**1.** our data indicate that C2 rs547154 polymorphism plays a protective role in the development of PCV.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-antibody/c2/6174294