Complement C4 (C4A) Antibody

PRODUCT OVERVIEW

Product Name	Complement C4 (C4a), Antibody
Full Product Name	Complement C4 (beta chain) Antibody
Product Gene Name	anti-C4a antibody
3D Structure	ModBase 3D Structure for P08649
Product Categories/Family for anti-C4a antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-C4a antibody	MBS8564702 is an antibody targeting C4a. Also known as Complement C4 (beta chain) Antibody.
Other Notes	Small volumes of anti-C4a antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C4a. It may not necessarily be applicable to this product.

NCBI GI #	158186621
NCBI GeneID	24233
UniProt Primary Accession #	P08649
UniProt Related Accession #	P08649
GenBank Nucleotide #	NP_113692.2
NCBI Official Full Name	complement C4
NCBI Official Synonym Full Names	complement C4A
NCBI Official Symbol	C4a
NCBI Official Synonym Symbols	C4; C4b; C4-1
UniProt Protein Name	Complement C4
Protein Family	Complement C4
UniProt Gene Name	C4
UniProt Synonym Gene Names	C4a
UniProt Entry Name	CO4_RAT
NCBI Protein Information	complement C4
NCBI Summary for C4a	complement protein, part of the classical activation pathway; localizes to the class III region of the MHC [RGD, Feb 2006]

UniProt Comments for C4a	C4A: Derived from proteolytic degradation of complement C4, C4a anaphylatoxin is a mediator of local inflammatory processes. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes Protein type: Secreted; Secreted, signal peptide; Inhibitor Cellular Component: extracellular region; extracellular space Molecular Function: complement component C1q binding; endopeptidase inhibitor activity Biological Process: complement activation; complement activation, classical pathway; inflammatory response; innate immune response
Research Articles on C4a	**1.** Our study provides the first evidence that sustained selective EPAC activation leads to an increase in TRPC3 and C4 protein expression and induces a proarrhythmic SOCE-like activity in adult rat ventricular cardiomyocytes
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