C3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	C3, Monoclonal Antibody
Full Product Name	C3 (Complement Component 3, ARMD9, ASP, CPAMD1) (APC)
Product Gene Name	anti-C3 antibody
Product Synonym Names	Complement Component 3; ARMD9; ASP; CPAMD1
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1D20
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes C3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrif vial prior to removing the cap.
Molecular Weight	187,148 Da
OMIM	120700
3D Structure	ModBase 3D Structure for A7E236
Immunogen	C3 (NP_000055, 1534aa-1644aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DKACEPGVDYVYKTRLVKVQLSNDFDEYIMAIEQTIKSGSDEVQVGQQRTFISPIKCREALKLEEKKHYLMWGLSSDFWGEKPNLSYIIGKDTWVEHWPE
Conjugate	APC
Product Categories/Family for anti-C3 antibody	Antibodies; Complement
Applications Tested/Suitable for anti-C3 antibody	ELISA (EIA)
Application Notes for anti-C3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-C3 antibody	Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative comp activation pathways. People with C3 deficiency are susceptible to bacterial infection. [provided by RefSeq]

Other Notes	Small volumes of anti-C3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary 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 apply.
Searchable Terms for C3 purchase	MBS6170052 is an antibody targeting C3. Also known as C3 (Complement Component 3, ARMD9, ASP, CPAMD1) (APC). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C3. It may not necessarily be applicable to this product.

NCBI GI #	115298678
NCBI GeneID	718
NCBI Accession #	NP_000055
UniProt Primary Accession #	A7E236
UniProt Secondary Accession #	A7E236
UniProt Related Accession #	P01024
GenBank Nucleotide #	NM_000064
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
UniProt Protein Name	Complement C3
UniProt Synonym Protein Names	C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1Cleaved into the following 12 chains:Complement C3 beta chain; C3-beta-c; C3bc; Complement C3 alpha chain; C3a anaphylatoxin; Acylation stimulating protein; ASPAlternative name(s):C3adesArg
Protein Family	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; C3bc; ASP
UniProt Entry Name	CO3_HUMAN
NCBI Protein Information	complement C3; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3a anaphylatoxin; acylation-stimulating protein cleavage product; complement component C3; complement component C3a; complement component C3b; epididymis secretory sperm bi
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/c3/6170052