

anti-Human Complement C3 Antibody | anti-C3 antibody

Complement C3 (betachain) Antibody

CATALOG # AAA17956	REACTIVITY Human	APPLICATIONS Western Blot
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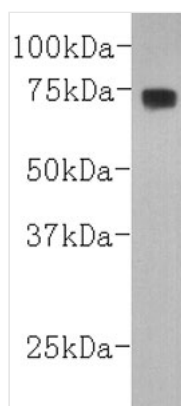
PRODUCT SYNONYMS

Complement C3; Complement C3 (betachain) Antibody; anti-C3 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clone Number	11-10
Specificity	This antibody is produced by immunizing mouse with a synthetic peptide (KLH-coupled) corresponding to the residues of Complement C3.
Form/Format	Liquid; 1*TBS (pH7.4), 0.5% BSA, 25% Glycerol. Preservative: 0.05% Sodium Azide.
Concentration	0.37mg/ml (varies by lot)
Sequence Length	1663
Applicable Applications for anti-C3 antibody	WB (Western Blot)
Application Notes	WB: 1:2,000
Preservative	0.05% Sodium Azide.
Cellular Localization	Secretory Protein
Positive Control	Human plasma
Preparation and Storage	Store at +4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis on human serum using anti- Complement C3 mouse monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-C3 antibody	Human Complement C3 (C3) is synthesized as a single-chain pro-molecule (185 kDa) that suffers several posttranslational modifications. Before being a mature protein, C3 is split into beta-chain (70 kDa) and alpha chain (115 kDa) and forms a rare internal thioester bond. C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.
References	"Structure of C3b reveals conformational changes that underlie complement activity."Janssen B.J.C., Christodoulidou A., McCarthy A., Lambris J.D., Gros P.Nature 444:213-216(2006). "Disulfide bridges in human complement component C3b."Dolmer K., Sottrup-Jensen L.FEBS Lett. 315:85-90(1993). "Identification and quantification of N-linked glycoproteins using hydrazide chemistry, stable isotope labeling and mass spectrometry."Zhang H., Li X.-J., Martin D.B., Aebersold R. Nat. Biotechnol. 21:660-666(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298678
NCBI GeneID	718
NCBI Accession #	NP_000055.2
NCBI GenBank Nucleotide #	NM_000064.3
UniProt Accession #	P01024; A7E236
Molecular Weight	70kDa
NCBI Official Full Name	complement C3 preproprotein
NCBI Official Synonym Full Names	complement C3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; C3bc; ASP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.