

Mouse C1q Monoclonal Antibody | anti-C1q antibody

MOUSE ANTI HUMAN C1q

CATALOG #	HOST	APPLICATIONS
AAA49536	Mouse	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

C1q; Monoclonal Antibody; MOUSE ANTI HUMAN C1q; COMPLEMENT COMPONENT 1q; C1QG; anti-C1q antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3R9/2
Specificity	C1q
Form/Format	Purified IgG - liquid
Concentration	Approximate Protein Concentration: 1.0 mg/ml (varies by lot)
Applicable Applications for anti-C1q antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, IHC (Immunohistochemistry)
Immunogen	Globular head domain of C1q, purified from human plasma
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Histology Positive Control Tissue	Kidney from patients with streptococcal glomerulonephritis.
Buffer Solution	Borate buffered saline
Target Species	Human
Preparation and Storage	Store at 4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from the date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti-C1q antibody	Mouse anti human C1q antibody, clone 3R9/2, recognizes human complement component 1 q (C1q), a 156kDa secreted protein. C1q associates with proenzymes C1r and C1s to form the calcium-dependent C1 complex, the first component of the serum complement system. C1q is composed of six A-, six B-chains and six C-polypeptide chains. Each chain contains a collagen-like region located near the N-terminus and a C-terminal globular region. These regions bind the Fc region of IgM and IgG molecules, initiating the classical pathway of complement activation. C1q deficiency has been associated with lupus erythematosus and glomerulonephritis (Troedson et al. 2013).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7705753
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NCBI GeneID	712
NCBI Accession #	NP_057075.1
NCBI GenBank Nucleotide #	NM_015991.2
Molecular Weight	26,017 Da
NCBI Official Full Name	complement C1q subcomponent subunit A
NCBI Official Synonym Full Names	complement component 1, q subcomponent, A chain
NCBI Official Symbol	C1QA
NCBI Protein Information	complement C1q subcomponent subunit A; complement component 1, q subcomponent, alpha polypeptide; complement component C1q, A chain
UniProt Protein Name	Complement C1q subcomponent subunit A
UniProt Gene Name	C1QA
UniProt Entry Name	C1QA_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/c1q-antibody-clone-3r9-2-western-blot-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/49536>