

Mouse anti-Human C1QA/Complement C1q A-Chain Monoclonal Antibody | anti-C1QA antibody

C1QA/Complement C1q A-Chain

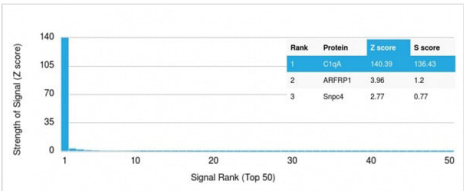
CATALOG # AAA215224	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

C1QA/Complement C1q A-Chain; Monoclonal Antibody; Complement C1q subcomponent subunit A; Complement component 1 q subcomponent alpha polypeptide; anti-C1QA antibody

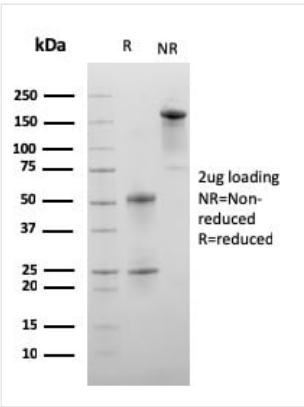
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	C1QA/2956
Specificity	C1q, a subcomponent of the classical complement pathway, is composed of nine subunits that mediate classical complement activation and thereby play an important role in the immune response. Six of these subunits are disulfide-linked dimers of chains A and B, while three of these subunits, designated C1q-A through C1q-C, are disulfide-linked dimers of chain C. Each chain contains an N-terminal collagen-like region and a C-terminal C1q globular domain. The presence of receptors for C1q on effector cells modulates its activity, which may be antibody-dependent or independent. Macrophages are the primary source of C1q, while anti-inflammatory drugs as well as cytokines differentially regulate expression of the mRNA as well as the protein. C1q deficiency is associated with lupus erythematosus and glomerulonephritis.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	245
Applicable Applications for anti-C1QA antibody	IHC (Immunohistochemistry)
Positive Control	Human liver or kidney tissue (IHC).
Immunogen	Recombinant fragment (around aa 104-237) of human C1QA protein (exact sequence is proprietary)
Cellular Localization	Secreted
Hu-chromosome Location	1p36.12
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



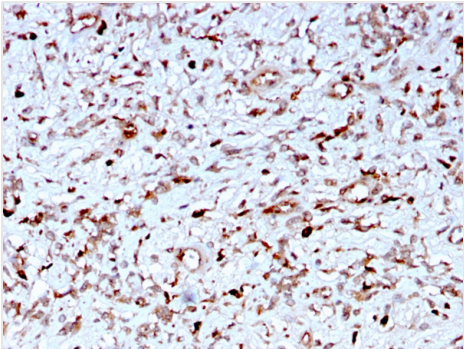
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using C1QA Mouse Monoclonal Antibody (C1QA/2956). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

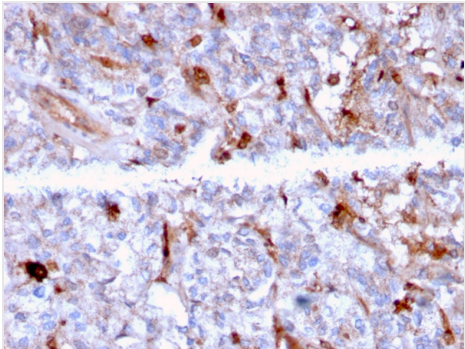


SDS-PAGE

SDS-PAGE Analysis Purified C1QA Mouse Monoclonal Antibody (C1QA/2956). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Liver stained with C1QA Mouse Monoclonal Antibody (C1QA/2956).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Kidney stained with C1QA Mouse Monoclonal Antibody (C1QA/2956).

ADDITIONAL INFORMATION

References	Kishore, U., et al. 2000. C1q: structure, function and receptors. Immunopharmacology 49: 159-170
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7705753
NCBI GeneID	712
NCBI Accession #	NP_057075
NCBI GenBank Nucleotide #	NP_057075.1
UniProt Accession #	P02745
Molecular Weight	29kDa
NCBI Official Full Name	complement C1q subcomponent subunit A
NCBI Official Synonym Full Names	complement C1q A chain
NCBI Official Symbol	C1QA
NCBI Protein Information	complement C1q subcomponent subunit A
UniProt Protein Name	Complement C1q subcomponent subunit A
UniProt Gene Name	C1QA

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/c1qa-complement-c1q-a-chain-antibody-clone-c1qa-2956-immunohistochemistry-elisa/215224>