Mouse C3c Monoclonal Antibody | anti-C3c antibody

MOUSE ANTI HUMAN C3c

CATALOG #	HOST	APPLICATIONS
AAA49392	**Mouse**	**Western Blot, Flow Cytometry, Functional Assay, ELISA, Immunohistochemistry**

PRODUCT SYNONYMS

C3c; Monoclonal Antibody; MOUSE ANTI HUMAN C3c; anti-C3c antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	013E-498.2.3 (10-02A)
Specificity	C3c
Form/Format	Purified IgG-Liquid
Concentration	Current batch-specific concentration 1.2mg/mL. (varies by lot)
Sequence Length	1663
Applicable Applications for anti-C3c antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA, IHC (Immunohistochemistry)
Perservative Stabilisers	0.1% Sodium Azide (NaN3)
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites.
Histology Positive Control Tissue	Kidney from post streptococcal glomerulonephritis patients.
Buffer Solution	Borate buffered saline
Target Species	Human
Immunogen	Human C3 from normal serum, highly purified by chromatography.
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

ADDITIONAL INFORMATION

Related Product Information for anti-C3c antibody	Mouse anti human C3c, clone 10-02A, recognizes 135kDa complement component 3c present in blood serum. C3c is generated over the course of complement activation, where convertase C4b2a (classical pathway) and convertase C3bBb (alternative pathway) cleave C3 to C3b and C3a. C3b is further degraded into iC3b and C3dg/C3d. iC3b is then slowly cleaved (possibly by factor I) to form C3c (beta chain + alpha' chain fragment 1 + alpha' chain fragment 2), C3dg and C3f. C3 is crucial in the induction of tolerance generated when an antigen is introduced into immunoprivileged sites and this is exploited by pathogens and cancer cells to evade the immune system by inhibiting complement activation.

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
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
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 binding protein Li 62p; prepro-C3
UniProt Protein Name	Complement C3
UniProt Gene Name	**C3**
UniProt Synonym Gene Names	CPAMD1; C3bc; ASP
UniProt Entry Name	CO3_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/c3c-antibody-clone-013e-498-2-3-10-02a-western-blot-flow-cytometry-immunohistochemistry-elisa/49392