

Mouse Monoclonal Antibody to C3C

Purified Mouse Monoclonal Antibody
Catalog # AO2388a

Product Information

Application	WB, IHC, E
Primary Accession	P01024
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8B5H2
Isotype	Mouse IgG1
Calculated MW	187148 Da
Description	Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form the mature protein, which is then further processed to generate numerous peptide products. The C3a peptide, also known as the C3a anaphylatoxin, modulates inflammation and possesses antimicrobial activity. Mutations in this gene are associated with atypical hemolytic uremic syndrome and age-related macular degeneration in human patients.;
Immunogen	Purified recombinant fragment of human C3C (AA: 1521-1649) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide
Application Note	ELISA: 1/10000; WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000;

Additional Information

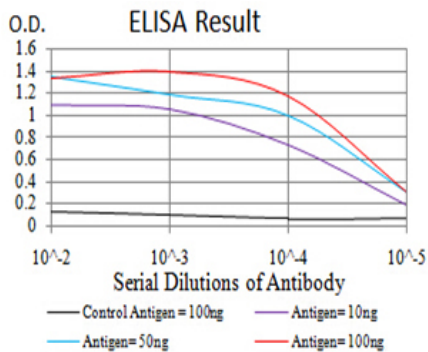
Other Names	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
Dilution	WB~~1:1000 IHC~~1:100~500 E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Monoclonal Antibody to C3C is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

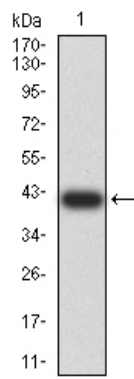
References

1. Blood. 2015 Apr 9;125(15):2359-69. ; 2. Mediators Inflamm. 2013;2013:716902.;

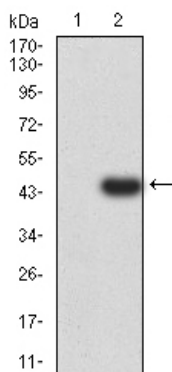
Images



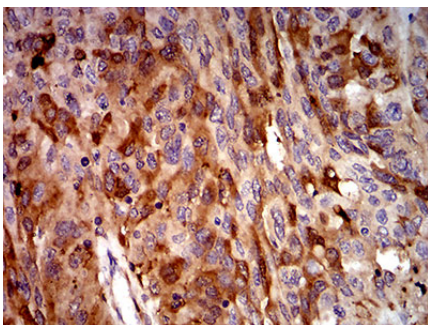
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using C3C mAb against human C3C (AA: 1521-1649) recombinant protein. (Expected MW is 40.7 kDa)

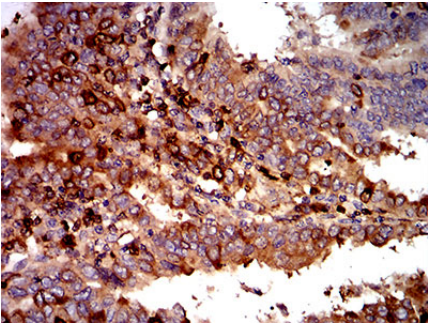


Western blot analysis using C3C mAb against HEK293 (1) and C3C (AA: 1521-1649)-hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using C3C mouse mAb with DAB staining.

Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using C3C mouse mAb with DAB staining.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.