

Anti-Complement C3 Monoclonal Antibody

Catalog # ABO14679

Product Information

Application	WB, IF, ICC, FC
Primary Accession	P01024
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-Complement C3 Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

Gene ID	718
Other Names	Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, Complement C3 beta chain, C3-beta-c, C3bc, Complement C3 alpha chain, C3a anaphylatoxin, Acylation stimulating protein, ASP, C3adesArg, Complement C3b alpha' chain, Complement C3c alpha' chain fragment 1, Complement C3dg fragment, Complement C3g fragment, Complement C3d fragment, Complement C3f fragment, Complement C3c alpha' chain fragment 2, C3, CPAMD1
Calculated MW	187148
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 FC 1:20
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AEIC-3
Immunogen	A synthesized peptide derived from human C3 / C3a
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

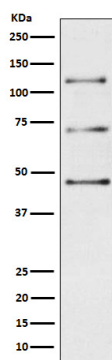
Protein Information

Name	C3 {ECO:0000303 PubMed:2579379, ECO:0000312 HGNC:HGNC:1318}
Function	Precursor of non-enzymatic components of the classical, alternative, lectin and GZMK complement pathways, which consist in a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system.
Cellular Location	Secreted. [C3a anaphylatoxin]: Secreted
Tissue Location	Plasma..

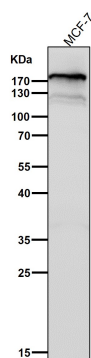
Background

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.

Images



Western blot analysis of C3 / C3a expression in Human plasma lysate.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

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