

Anti-Complement C3 Monoclonal Antibody Catalog # ABO14679

Specification

Anti-Complement C3 Monoclonal Antibody - 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.

Anti-Complement C3 Monoclonal Antibody - 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

Application Details

WB 1:500-1:2000
ICC/IF 1:50-1:200
FC 1:20

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.

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.

Anti-Complement C3 Monoclonal Antibody - Protein Information

Name C3

Synonyms CPAMD1

Function

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. [C3-beta-c]: Acts as a chemoattractant for neutrophils in chronic inflammation.

Cellular Location

Secreted.

Tissue Location

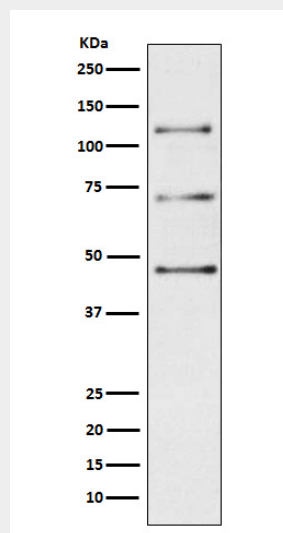
Plasma. The acylation stimulating protein (ASP) is expressed in adipocytes and released into the plasma during both the fasting and postprandial periods.

Anti-Complement C3 Monoclonal Antibody - Protocols

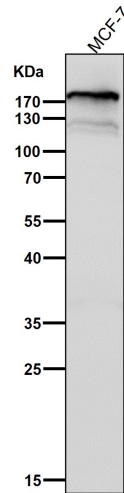
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Complement C3 Monoclonal Antibody - 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.

Anti-Complement C3 Monoclonal Antibody - 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.