

## Anti-Complement C3 Antibody (8A723)

## Product Details

Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 70 kDa.
Clone:	8A723
Purification:	ProA affinity purified

## Applications

Verified Activity: 1. Western blot analysis on human plasma lysates using anti-C3 ( $\beta$ -chain) Mouse mAb.



Application: FCM, ICC, WB

Recommended WB: 1:2000

## Properties

Stability & Storage: Store at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$  for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen:	Peptide
Uniprot ID:	P01024
Synonyms:	Complement Component C3a; Anaphylatoxin; C3a

## Research Background

Human Complement C3 (C3) is synthesized as a single-chain pro-molecule (185 kDa) that undergoes several posttranslational modifications. Before being a mature protein, C3 is split into beta-chain (70 kDa) and alpha chain (115 kDa) and forms a rare internal thioester bond. 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.

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