

Catalog No. LF-MA0131

MONOCLONAL ANTIBODY



Anti-Complement C3 (10A1)

Background : Human Complement C3 (C3) is synthesized as a single-chain pro-molecule (185 kDa) that then suffers several post-translational modifications. Before being secreted as a mature protein, C3 is split into β -chain (645 residues and 70 kDa) and α chain (992 residues and 115 kDa) and forms a rare internal thioester bond. C3 plays a central role in the activation of all the three pathways of complement activation i.e. the classical, alternative, and lectin pathway. As C3 is the major complement component and participates in several stages of the immune response, its deficiency generally associated with higher susceptibility to severe bacterial infections and in some cases with autoimmune diseases such as systemic lupus erythematosus.

Immunogen : Complement C3 protein purified from Human plasma

Host : Mouse

Clone number : 10A1

Isotype : IgG2b, k

Size : 100 μ l

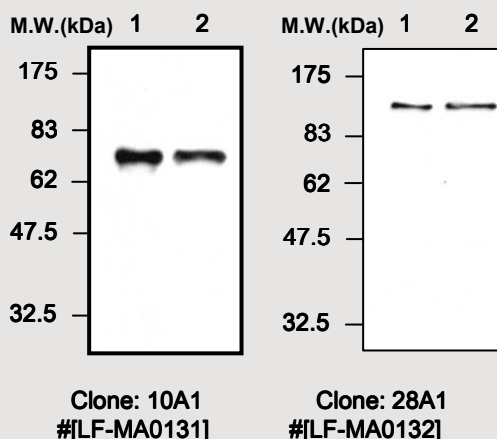
Composition : PBS containing 50% glycerol

Positive control : Human plasma

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human +	Mouse NT	Rat NT
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IMMUNOBLOT ANALYSIS of Human plasma protein:
Lane 1: Complement C3 isolated from Human plasma
Lane 2: Human plasma

Applications :

ELISA

Western Blotting (1:2000)

Background Reference :

- (1) Sahu, A and Lambris, J. D. (2001) *Immunol Rev.* 180: 35-48
- (2) Müller-Eberhard, H. J. (1988) *Annu. Rev. Biochem.* 57: 321-47

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