

## Product datasheet for **BM2131**

### Complement C3 (C3) Mouse Monoclonal Antibody [Clone ID: H13]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	H13
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Immunohistochemistry on Frozen Sections:</b> 1/10. <i>Incubation Time:</i> 1h at RT. <b>Western Blot</b> <b>ELISA.</b> Detection of C3 deposits in tissue, cells, micro-organisms and immune complexes. It should be used with Positive Control anti-C3b (H11/H206). Non-activated, absorbed C3 contains the C3a determinant, whereas activated C3 is negative with H 13.
Reactivity:	Guinea Pig, Human, Rabbit
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human complement component C3
Specificity:	This Monoclonal antibody Clone <i>H 13</i> recognizes a C3a-determinant (eg C3 alpha-chain) which is present also on native C3. <i>H 13</i> allows discrimination of ubiquitous or nonspecifically bound native C3 from biologically active C3b fragment; C3b or C are negative with H 13.
Formulation:	State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 1 ml distilled water
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Gene Name:** complement component 3

**Database Link:** [Entrez Gene 718 Human P01024](#)

**Background:** The complement factor C3 consists of an alpha and a beta chain. C3 is a central factor in the complement cascade. It is central to the alternative pathway that leads to the C3 convertase C3bBb. The classical mannose binding lectin activation pathway leads to the C3 convertase C4b2a. These convertases cleave C3 resulting in C3a and C3b. Further degradation leads to the formation of the alpha chain products C3d, C3g and C3c. C3 is an acute phase protein that is produced by a wide range of tissues, including renal epithelial cells and hepatocytes.

**Synonyms:** CPAMD1, Complement component 3

**Protein Families:** Druggable Genome

**Protein Pathways:** Complement and coagulation cascades, Systemic lupus erythematosus