

## Product datasheet for **BM2132**

### Complement C3 (C3) Mouse Monoclonal Antibody [Clone ID: H11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	H11
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot.</b> <b>Immunohistochemistry on frozen sections:</b> 1/10. <i>Incubation time:</i> 1h at RT. Successful use on paraffin embedded tissue was reported by some researchers. As this detection method has not been verified by Acris Antibodies, the application was deleted from the database. This does not necessarily exclude the use in such procedure.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human complement component C3
Specificity:	Detects C3b deposits in tissue, on cells, on microorganisms and in immune complexes. Does not react with C3a or C3d. Inhibits hemolytic function of C3. It should be used with positive control anti C3b- $\alpha$ (clone H206, cat.no. BM5029), and negative control anti C3a (clone H13, cat.no. BM2131). Activated, deposited C3b bears 3b- $\alpha$ and - $\beta$ , but no longer C3a. Ubiquitous or nonspecifically absorbed C3 is still C3a positive with clone H13.
Formulation:	PBS, pH 7.4, containing 0.09% sodium azide, 0.5% BSA State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1 ml dist. water.
Purification:	Protein A affinity chromatography
Conjugation:	Unconjugated



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<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	complement component 3
<b>Database Link:</b>	<a href="#">Entrez Gene 718 Human P01024</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	CPAMD1, Complement component 3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Complement and coagulation cascades, Systemic lupus erythematosus