

Product datasheet for **BM5029**

Complement C3 (C3) Mouse Monoclonal Antibody [Clone ID: H206]

Product data:

Product Type:	Primary Antibodies
Clone Name:	H206
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western blot. Immunohistochemistry on Frozen Sections: (also after Fixation with Paraformaldehyde). <i>Working Dilution:</i> 1/10 in PBS, pH 7.4. <i>Incubation Time:</i> 1h at RT.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human complement component C3
Specificity:	H206 allows demonstration of C3 deposits in tissue, on cells, on microorganisms and in immune complexes. It does not react with C3a or C3d and does not inhibit hemolytic function of C3. The epitope was located on the C-terminus of the alpha-chain (39.5 kD fragment of C3c). Disorders Specifically Detected: Detection of C3b deposits in tissue, on cells, on microorganisms and in immune complexes. It should be used with Positive Control anti C3b-beta, (H11; <i>Cat. No.</i> BM2132) and Negative Control anti-C3a (H13; <i>Cat. No.</i> BM2131). Activated, deposited C3b bears C3b-alpha and C3b-beta, but no longer C3a. Ubiquitous or non-specifically absorbed C3 is still C3a positive with H 13.
Formulation:	Final Solution contains PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore in 1 ml distilled water
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated



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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.
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