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Hycult biotechnology

C3, Clone 11H9, Mouse mAb

Catalog No.	HM1045	**Quantity:**	100 µg

Description: 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 and mannose binding lectin activation pathways lead to the C3 convertase C4b2a. These convertases cleave C3 resulting in C3a and C3b. Further degradation leads to formation of the alpha-chain products C3d, C3g and C3c. The monoclonal antibody 11H9 reacts with C3, C3b, iC3b and C3d. C3 is an acute phase protein that is produced by a wide range of tissues including renal epithelial cells and hepatocytes.

Concentration: 100 µg/ml

Specificity: Mouse C3

Host: Rat

Isotype: IgG_{2a}

Clone: 11H9

Formulation: 1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Applications The monoclonal antibody 11H9 can be used for Western blotting, immuno precipitation, flow cytometry and immunohistology on frozen sections. Furthermore the antibody 11H9 can be used as coat antibody in immuno assays.
For Western blotting, flow cytometry and immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

Storage & Stability: Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.

References:

1. Kremmer, E et al; Monoclonal antibodies to complement components without the need of their prior purification. II. Antibodies to mouse C3 and C4. Hybridoma 1990, *9*: 309

Also available:
HM1044: Anti-mouse C1q,Clone 7H8,mAb, 100 µg.
HM1046: Anti-mouse C4,Clone 16D2,mAb, 100 µg.
HP8012: Anti-mouse C3 pAb, 100 µg.

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