

**MONOCLONAL ANTIBODY TO
RAT C3/C3b
clone 2B10B9B2**



Catalog nr	HM3031 (lot number and expiry date are indicated on the label)
Description	The monoclonal antibody 2B10B9B2 reacts with an epitope on C3b. The antibody reacts both with intact C3 and C3b. 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. C3 is an acute phase protein that is produced by a wide range of tissues including renal epithelial cells and hepatocytes.
Species	Mouse IgM
Formulation	1 ml (> 100 µg/ml) culture medium with a low endotoxin level containing 0.02% sodium azide.
Application	The monoclonal antibody 2B10B9B2 can be used for Western blotting and immuno assays. Monoclonal antibody 2B10B9B2 is not useful for immuno precipitation.
Use	For Western blotting 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 and stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result with the use of or derivation of this product.
Also available	HM3028 Monoclonal antibody against Rat C3aR, clone 74 HP8018 Polyclonal antibody against Rat C5L2 HP8021 Polyclonal antibody against Rat C1q HP8022 Polyclonal antibody against Rat C3 HP8023 Polyclonal antibody against Rat C4