

anti-human/anti-mouse C3/C3b/iC3b

Monoclonal antibody 6C9 to human/mouse C3/C3b/iC3b

Cat-No: **21158031**

100 µg in 100 µl

Clone: 6C9

Specificity: The anti-human/mouse Complement Component C3 monoclonal antibody (Clone: 6C9) reacts with human and mouse C3 as well as the breakdown products C3b and iC3b. C3 is the most abundant complement protein in serum. C3 and its cleavage products, C3a and C3b, play a central role in the complement activation cascade. C3b forms an integral part of the C3 and C5 convertases as it promotes complement activation and the subsequent formation of the membrane attack complex. C3a possesses anaphylatoxic as well as various immunoregulatory properties. Also, C3 has been implicated in developmental and non-inflammatory process such as hematopoiesis, skeletal and vascular development and reproduction. Reported applications of this antibody include flow cytometry and ELISA.

Isotype subclass: Mouse IgG1

Form: Purified by protein-A affinity chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Store at 4°C. For long-term aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Flow Cytometry

References:

- * Kremmer E, Thierfelder S, Felber E, et al. (1990) Monoclonal antibodies to complement components without the need of their prior purification. II. Antibodies to mouse C3 and C4. *Hybridoma*. 9(4):309-17.
- * Cortes C, Ferreira VP, Pangburn MK. (2011) Native properdin binds to *Chlamydia pneumoniae* and promotes complement activation. *Infect Immun*. 79(2):724-31.
- * Fridkis-Hareli M, Storek M, Mazsaroff I, et al. (2011) Design and development of TT30, a novel C3d-targeted C3/C5 convertase inhibitor for treatment of human complement alternative pathway-mediated diseases. *Blood*. 118(17):4705-13.
- * Cortes C, Ferreira VP, Pangburn MK. (2011) Native properdin binds to *Chlamydia pneumoniae* and promotes complement activation. *Infect Immun*. 79(2):724-31.
- * Fridkis-Hareli M, Storek M, Mazsaroff I et al. (2011) Design and development of TT30, a novel C3d-targeted C3/C5 convertase inhibitor for treatment of human complement alternative pathway-mediated diseases. *Blood*. 118(17):4705-13.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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