

## **C3 Complement Antibody**

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 250121

**Unit:** 0.1 mg

**Description:**

The complement component C3 plays a central role in the activation of the complement system. C3 activation by the C3 convertase is the central reaction in both classical and alternative complement pathways. Cleaved C3 produces C3a anaphylatoxin, a mediator of local inflammatory process, and C3b, which binds to cell surface carbohydrates and immune aggregates. Genetic variation in C3 is associated with susceptibility to age-related macular degeneration 9 (ARMD9). This antibody recognizes the human complement C3 in ELISA.

**Isotype:** Mouse IgG2b

**Applications:** E

**Species Reactivity:** H

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A affinity chromatography.

**Alternate Names:** C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; Complement C3; C3a anaphylatoxin; Complement C3b alpha chain; Complement C3c alpha chain fragment 1; Complement C3dg fragment; C3d fragment; C3g fragment; C3f fragment; C3c alpha chain fragment 2

**Accession No.:** P01024

**Antigen:** Purified human complement C3 protein

**Application Notes:** E: 5 ug/ml

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

**Product Citations:** Lindblom R et al. 2014. J Immunol. 192(3):1138-1153. PMID# 24353269.

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