Anti-Complement component C3a/C3a/(desArg)/C3 (human)

**Mouse monoclonal antibody**

**GAU 013-16**

**CAT. NO.**

**SPECIFICITY**

GAU 013-16 is specific for human C3, C3a and C3a (desArg) (1) and does not cross-react with C4a or C5a (2, 3).

**IMMUNOGEN**

Human C3a

**TESTED APPLICATIONS**

ELISA, WB, IHC, IF

**SPECIES REACTIVITY**

Positive: Human

**SPECIES REACTIVITY**

Negative: Not determined

**EPITOPE SPECIFICITY**

GAU 013-16 recognizes a different epitope on the 9 kDa C3a than GAU 017-01 (2, 3). No reaction is seen with a synthetic octapeptide representing the C3a C-terminal (2).

**APPLICATION**

**ELISA:** GAU 013-16 can be used as a capture antibody in sandwich ELISA with GAU 017-01 as a biotinylated detection antibody (4, 5). GAU 013-16 can also be used to immunopurify C3a (3). GAU 013-16 effectively inhibits the biological activity of C3a in a guinea-pig platelet activation assay (2).

**WB:** GAU 013-16 was used in Western blotting (2, 3, 5).

**IHC:** GAU 013-16 was used in IHC in formaline fixed paraffin embedded tissue with a dilution of 1:150.

**IF:** GAU 103-16 was used in IF with a dilution of 1:75.

**TARGET**

Complement C3a is an anaphylatoxin of 77 amino acid residues released by the action of the C3 convertases on the N-terminal of the alpha chain of C3. It is rapidly inactivated by serum carboxypeptidase N which removes the C-terminal arginine residue generating C3a (desArg).

**REFERENCES**


**CONDITIONS**

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