

Anti-Complement component C3a/C3a(desArg)/C3 (human)**Mouse monoclonal antibody**

Subclass: IgG1/k

Clone: D17/1

CAT. NO.

GAU 017-01

SPECIFICITY	Recognizes an epitope that is present on human C3, C3a and C3a (desArg). Does not cross-react with C4a or C5a.
IMMUNOGEN	Human C3a
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	GAU 017-01 recognizes different epitopes on the 9 kDa C3a than GAU 013-16. No reaction is seen with a synthetic octapeptide representing the C3a C-terminal.

PRESENTATION

Content:	Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION

ELISA: GAU 017-01 can be used as a biotinylated detection antibody in sandwich ELISA with GAU 013-16 capture antibody (1-5). Does not inhibit the biological activity of C3a (1).
WB: GAU 017-01 can be used in Western blotting (1, 4, 5).

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

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