

**Anti Complement component C3a/C3a (desArg) (human)
Mouse Monoclonal Antibody**

Subclass: IgG1/k

PRODUCT NO. **GAU 013-16**

PRESENTATION

Preparation: Protein-A/G purified
 Content: Available in 200 µL and 1 mL, 1 mg/mL
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
 Storage: In the dark at 4-8°C

ANTIGEN

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).

IMMUNOGEN

Human C3a

SPECIFICITY

Recognizes an epitope that is present on human C3, C3a and C3a (desArg).
 Does not cross-react with C4a or C5a.

EPI TOPE SPECIFICITY

GAU 013-16 recognizes a different epitope on the 9 kDa C3a than GAU 017-01

REACTIVITY

GAU 013-16 can be used as a capture antibody in sandwich ELISA with GAU 017-01 as detection antibody. Effectively inhibits the biological activity of C3a in a guinea-pig platelet activation assay(4).

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

IMMUNIZATION

BALB/c mice immunized i.p.

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:32,000	
Immunoblotting	Yes		
Immunohistochemistry	Not determined		

REFERENCES

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CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.



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PRODUCT SPECIFICATION

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