

Anti-Complement component C5a/C5a(desArg) anaphylatoxin (human)**Mouse monoclonal antibody**

Subclass: IgG1/k

Clone: C17/5

CAT. NO.

GAU 025-05

SPECIFICITY	GAU 025-05 reacts with human C5a/C5a(desArg).
IMMUNOGEN	Purified human C5a
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human, baboon
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	GAU 025-05 binds to a neoepitope exposed on C5a/C5a(desArg) (1).

PRESENTATION

Content:	Available in 200 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 025-05 reacts well with C5a/C5a(desArg). A strong reaction is seen in ELISA with recombinant C5a coated onto the microtiter well (1).

WB: GAU 025-05 can be used in Western blotting (1).

TARGET Complement C5a is generated in the circulation by the activation of complement. It is a so-called anaphylatoxin of 74 amino-acid residues generated by the action of C5 convertase, which cleaves C5 into C5a and C5b. It is rapidly inactivated by serum carboxypeptidase B, which removes the C-terminal arginine residue generating C5a(desArg) (1).

REFERENCES 1. Oppermann M, Schulze M, Götze O (1991) A sensitive enzyme immunoassay for the quantitation of human C5a/C5a(desArg) anaphylatoxin using a monoclonal antibody with specificity for a neoepitope. Complement Inflamm. 8:13-24.

CONDITIONS

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