

Anti-Complement component C5a/C5a(desArg) anaphylatoxin (human)

CAT. NO. GAU 025-05

OVERVIEW

Product Name	Anti-Complement component C5a/C5a(desArg) anaphylatoxin (human)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	C17/5
Tested Applications	ELISA, WB		

SPECIFICITY

Specificity	GAU 025-05 binds to a neoepitope exposed on C5a/C5a(desArg).		
Immunogen	Purified human C5a	Gene ID	725
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).		
Species Reactivity POSITIVE	Human, Baboon	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

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)

SCIENTIFIC 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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