

Anti-Complement component C5b-9 (human)

CAT. NO. DIA 011-01B

OVERVIEW

Product Name	Anti-Complement component C5b-9 (human)	Conjugation	Biotin
Description	Mouse monoclonal antibody, biotinylated	Host	Mouse
Isotype	IgG2a/k	Clone	aE11
Tested Applications	ELISA		

SPECIFICITY

Specificity	DIA 011-01 binds both membrane-bound MAC (active) and fluid-phase SC5b-9 complexes (inactive). (1) DIA 011-01 binds to a neoepitope exposed on C9		
Immunogen	Purified C5b-9	Gene ID	727
Target	C5b-9 is also known as the terminal complement complex (TCC). The TCC consists of C5b, C6, C7, C8 and C9 and forms the membrane attack complex (MAC) as well as the non-lytic fluid-phase SC5b-9 complex (with protein S). The MAC forms channels in target cell membranes leading to cell lysis by osmotic leakage. The complexes contain neoantigens that are absent from the individual native components from which they are formed and DIA 011-01 is directed against a neoepitope exposed on C9 when incorporated into the TCC.		
Species Reactivity POSITIVE	Human, Pig, Horse, Baboon	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,15 mL
Concentration	1 mg/mL $\pm$ 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 0.14 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

ELISA	DIA 011-01 can be used in ELISA.
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SCIENTIFIC REFERENCES

1. Mollnes TE, Harboe M (1987) Immunohistochemical detection of the membrane and fluid-phase terminal complement complexes C5b-9(m) and SC5b-9. Consequences for interpretation and terminology. Scand J Immunol 26:381-6

CONDITIONS

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