

**Anti-Complement component C5b-9 (human)
 Mouse monoclonal antibody**

Subclass: IgG2a/k

PRODUCT NO.

DIA 011-01

Clone: aE11

PRESENTATION

Preparation: Protein-A purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 10 mM phosphate buffer pH 7.4 containing 0.15 M NaCl and 0.09% sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

ANTIGEN

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 (1,2).

IMMUNOGEN

Purified C5b-9

SPECIFICITY

DIA 011-01 binds both membrane-bound MAC and fluid-phase SC5b-9 complexes. DIA 011-01 cross-reacts with porcine (3), baboon (4) and equine TCC.

EPIOTOPE SPECIFICITY

DIA 011-01 binds to a neoepitope exposed on C9

REACTIVITY

DIA 011-01 is well suited for quantifying TCC in ELISA and quantifying and characterizing TCC in various tissues by immunohistochemistry (frozen and paraffin sections). DIA 011-01 is not recommended for Western blotting as the epitope is destroyed during the process (1).

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

X63.Ag8.653

IMMUNIZATION

Female BALB/c mice immunized by intraperitoneal and subcutaneous injections

APPLICATION

Method	Usability	References
ELISA	Yes	5,6
Immunoblotting	No	1
Immunohistochemistry	Yes	7,8,9

REFERENCES

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This product is not for further manufacture

CONDITIONS

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