

Mouse Anti-C5b-9/TCC/MAC [aE11]: MC0127

Intended Use: For Research Use Only

Description: 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 this antibody is directed against a neoepitope exposed on C9 when incorporated into the TCC.

Specifications

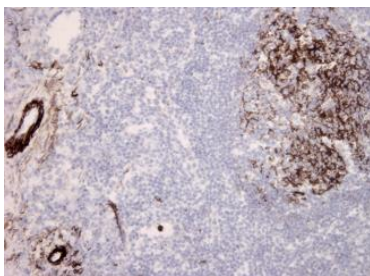
Clone: aE11
Source: Mouse
Isotype : IgG2a/k
Reactivity: Human, mouse, rat
Localization: Secreted
Formulation: Antibody in PBS buffer pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, ELISA, Flow Cyt., ICC/IF
Package:

Description	Catalog No.	Size
C5b-9/TCC/MAC Concentrated	MC0127	1 ml

IHC Procedure*

Positive Control Tissue: Tonsil, lung carcinoma
Concentrated Dilution: 10-50
Pretreatment: None
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



Frozen human tonsil tissue stained with anti-C5b-9 using DAB

References:

1. Widespread cortical demyelination of both hemispheres can be induced by injection of pro-inflammatory cytokines via an implanted catheter in the cortex of MOG-immunized rats. Ücal, Muammer, et al. Experimental Neurology 2017.
2. Anti-aminoacyl-tRNA synthetase-related myositis and dermatomyositis: clues for differential diagnosis on muscle biopsy. Cerbelli B, Pisano A, Colafrancesco S et al. Virchows Arch. Nov 16, 2017.
3. Age-related increases in amyloid beta and membrane attack complex: evidence of inflammasome activation in the rodent eye. Zhao et al. J.Neuroinflammation. 12:121, 2015.
4. Efficacy of vitamin D in treating multiple sclerosis-like neuroinflammation depends on developmental stage. Adzemovic, Milena Z., et al. Experimental Neurology 2013.
5. Protective responses to sublytic complement in the retinal pigment epithelium. Tan LX, Toops KA, Lakkaraju A. Proc. Natl. Acad. Sci. U.S.A. Aug 02, 2016.

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Rev. A