

Mouse TCC Monoclonal Antibody | anti-TCC antibody

TCC, Human, mAb aE11, FITC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77779	Mouse	Horse: Yes; Swine: Yes	Immunohistochemistry, Immunofluorescence, Functional Assay, Flow Cytometry, Functional Assay

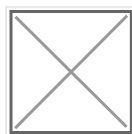
PRODUCT SYNONYMS

TCC; Monoclonal Antibody; Human; mAb aE11; FITC; MAC; membrane attack complex; sC5b-9 complex; anti-TCC antibody

PRODUCT SPECIFICATIONS

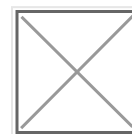
Host	Mouse
Reactivity	Horse: Yes; Swine: Yes
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	aE11
Purity/Purification	Protein G
Form/Format	0.2 um filtered in PBS+1%BSA+0.02%NaN3
Concentration	100 ug/ml (varies by lot)
Applicable Applications for anti-TCC antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IA (Immunoassay), FA (Functional Assay), FCM/FACS (Flow Cytometry)
Conjugate	FITC
Positive control	Mucosa from patients with H. Pylori.
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for at least one year.

IMAGES



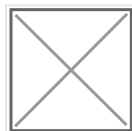
IA (Immunoassay)

IA: HM2167 was used as a capture antibody in different concentrations to detect TCC.



IF (Immunofluorescence)

IF: detection of TCC with HM2167, dilution 20x in PBSA.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-TCC antibody	<p>Product Description: Monoclonal antibody aE11 reacts with a C9 neoantigen of the terminal complement complex (TCC). The three distinct activation pathways of complement converge with the formation of a C5 convertase. The cleavage of C5 by this convertase initiates the lytic or terminal pathway. In contrast to the activation pathways, which require enzymatic cleavage for activation, the terminal pathway relies on conformational changes induced by binding. Binding of C6 facilitates binding of C7 which alters the conformation of the complex. After binding of C8, a variable number of C9 molecules associate with the C5b678 complex, which is also termed- the terminal complement complex (TCC). The formation of TCC causes lysis of cells or can trigger a variety of cellular metabolic pathways resulting in the synthesis and release of inflammatory mediators. The TCC contains neoantigens that are absent from the individual native components.- C9 neoantigens are present both in the membrane-bound (MAC) and the fluid-phase (SC5b-9) complex. TCC is present in normal human plasma and increased in patients with complement activation.</p>
References	<p>1. Mollnes, T et al; Quantification of the terminal complement complex in human plasma by an enzyme-linked immunosorbent assay based on monoclonal antibodies against a neoantigen of the complex. Scand J Immunol 1985, 22: 197</p> <p>2. Mollnes, T et al; Monoclonal antibodies recognizing a neoantigen of poly(C9) detect the human terminal complement complex in tissue and plasma. Scand J Immunol 1985, 22: 183</p> <p>3. Pettersen, H et al; Human alveolar macrophages synthesize active complement components C6, C7, and C8 in vitro. Scand J Immunol 1987, 25: 567</p> <p>4. Berstad, A et al ; Epithelium related deposition of activated complement in Helicobacter pylori associated gastritis. Gut 1997, 40 :196</p> <p>5. Stewart, M et al. Antiphospholipid antibody-dependent C5b-9 formation. BJH 1997, 96:451</p> <p>6. Meuwissen, M et al. Colocalisation of intraplaque C reactive protein, complement, oxidised low density lipoprotein, and macrophages in stable and unstable angina and acute myocardial infarction. J Clin Path 2005, 59:126</p>

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tcc-antibody-clone-ae11-immunohistochemistry-immunofluorescence-immunoassay-functional-assay-flow-cytometry-elisa/77779>