

Product datasheet

Anti-C5b-9 + C5b-8 antibody [aE11] ab66768

★★★★★ [1 Abreviews](#) [31 References](#) [3 Images](#)

Overview

Product name	Anti-C5b-9 + C5b-8 antibody [aE11]
Description	Mouse monoclonal [aE11] to C5b-9 + C5b-8
Host species	Mouse
Specificity	<p>The aE11 monoclonal was first reported to bind to a neoepitope exposed on polymerized C9 when incorporated into the human terminal complement complex (PubMed ID: 4035298). It was subsequently shown that this antibody also cross reacts with the C5b-8 complex and purified C8 alpha-gamma. It does not react with native C9 or C8 proteins (PubMed ID: 2424021).</p> <p>ab66768 binds both membrane-bound MAC (active) and fluid-phase SC5b-9 complexes (inactive) (Mollnes TE, Harboe M (1987).</p>
Tested applications	<p>Suitable for: ELISA, ICC/IF, Flow Cyt, IHC-Fr</p> <p>Unsuitable for: WB</p>
Species reactivity	Reacts with: Horse, Human, Pig, Monkey, Baboon
Immunogen	Full length protein corresponding to Human C5b-9.
Positive control	IHC-Fr: Human tonsil, monkey retina cord, and porcine liver tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store undiluted.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, Phosphate Buffer</p>
Purity	Protein A/G purified
Clonality	Monoclonal

Clone number	aE11
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab66768 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration. PubMed: 20688727
Flow Cyt		Use at an assay dependent concentration. PubMed: 23803904 ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
IHC-Fr	★★★★★ (1)	1/10 - 1/500.

Application notes Is unsuitable for WB.

Target

Cellular localization C5b-9: Secreted

Images

WT (2h)

GTKO (2h)

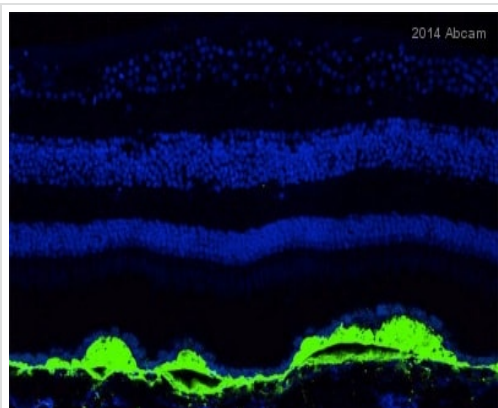
GTKO (nec)

Immunohistochemistry (Frozen sections) - Anti-C5b-9 + C5b-8 antibody [aE11] (ab66768)

Image from Ekser B et al., PLoS One. 2012;7(1):e29720. Epub 2012 Jan 11. Fig 3.; doi:10.1371/journal.pone.0029720; January 11, 2012, PLoS ONE 7(1): e29720.

ab66768 staining C5b-9 + C5b-8 (red) in porcine liver tissue by Immunohistochemistry (Frozen sections).

Tissue was taken from allotransplants of wild-type or a1,3-galactosyltransferase gene-knockout (GTKO) pig liver, 2 hours after grafting or at necroscopy (nec). Tissue was fixed with paraformaldehyde and blocked with 20% donkey serum for 1 hour at room temperature, before being incubated with primary antibody (1/100 in diluent).

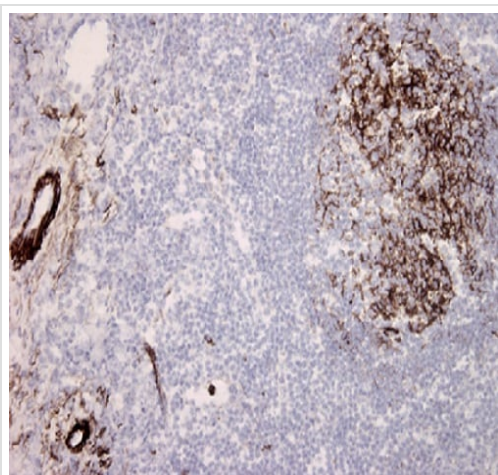


Immunohistochemistry (Frozen sections) - Anti-C5b-9 + C5b-8 antibody [aE11] (ab66768)

This image is courtesy of an anonymous Abreview

ab66768 staining C5b-9 + C5b-8 in monkey retina cord tissue sections by Immunohistochemistry (IHC-Fr - frozen sections).

Tissue was fixed with paraformaldehyde, permeabilized with 0.5% Triton-X and blocked with 4% serum for 30 minutes at 22°C. Samples were incubated with primary antibody (1/500) for 16 hours at 4°C. An Alexa Fluor® 488-conjugated goat anti-mouse IgG polyclonal (1/300) was used as the secondary antibody. Counterstained with DAPI. Magnification: 20X.



Immunohistochemistry (Frozen sections) - Anti-C5b-9 + C5b-8 antibody [aE11] (ab66768)

Immunohistochemical analysis of frozen tonsil tissue section labeling C5b-9 + C5b-8 with ab66768 at a dilution of 1/10.

Vascular endothelia and dendritic cells of germinal center have strong and intensive label.

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