

## Product datasheet

# Anti-C5a antibody [7L11] ab194637

[4 References](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-C5a antibody [7L11]
<b>Description</b>	Rat monoclonal [7L11] to C5a
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Recombinant fragment corresponding to Mouse C5a aa 650-800. Database link: <a href="#">P06684</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Mouse kidney tissue.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Lyophilized: Add 200 µl sterile PBS. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: 100% PBS
<b>Purity</b>	Protein A/G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	7L11
<b>Isotype</b>	IgG2a

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab194637 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

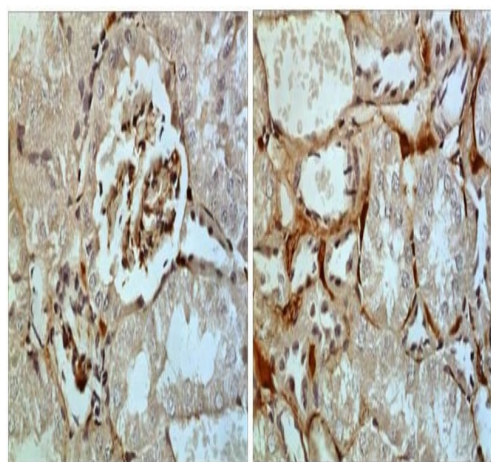
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 115 kDa.
IHC-P		1/100 - 1/200. Antigen retrieval: PK (10 µg/ml).

## Target

### Relevance

Activation of C5 by a C5 convertase initiates the spontaneous assembly of the late complement components, C5-C9, into the membrane attack complex. Derived from proteolytic degradation of complement C5, C5 anaphylatoxin is a mediator of local inflammatory process. Binding to the receptor C5AR1 induces a variety of responses including intracellular calcium release, contraction of smooth muscle, increased vascular permeability, and histamine release from mast cells and basophilic leukocytes. C5a is also a potent chemokine which stimulates the locomotion of polymorphonuclear leukocytes and directs their migration toward sites of inflammation.

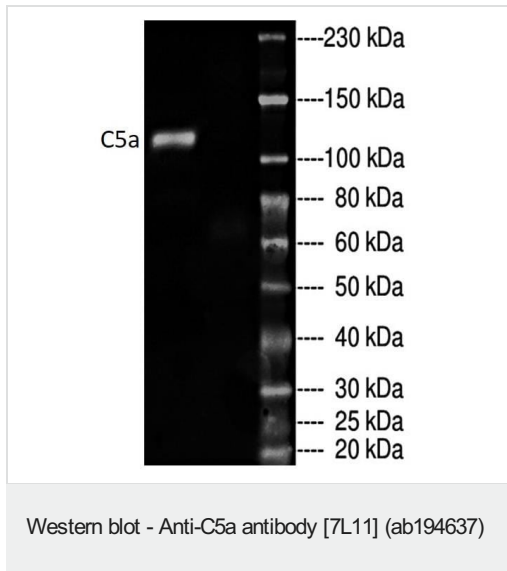
## Images



Immunohistochemical analysis of paraffin-embedded sections of mouse kidney tissue samples from the folic acid-induced kidney injury model labelling C5a with AB194637 at 1/100-200 dilution. The samples were fixed using 4% PFA at 4°C overnight. A 4 µm section was subjected to IHC-P.

Antigen retrieval: PK (10 µg/ml).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C5a antibody [7L11] (ab194637)



Anti-C5a antibody [7L11] (ab194637) + Mouse serum C5a

**Predicted band size:** 115 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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