

# Anti-C8 antibody [056B-373] ab59140

### Overview

<b>Product name</b>	Anti-C8 antibody [056B-373]
<b>Description</b>	Mouse monoclonal [056B-373] to C8
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, IHC-Fr, Flow Cyt, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length native protein (purified) corresponding to Human C8. Purified human C8
<b>Positive control</b>	Kidney from post streptococcal glomerulonephritis patients.
<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

<b>Form</b>	Liquid
<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>	Preservative: 0.1% Sodium azide Constituent: 99% Borate buffered saline
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	056B-373
<b>Isotype</b>	IgG1

### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab59140 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.
IHC-Fr		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration.

## Target

### Relevance

C8 is synthesised in the liver, monocytes and fibroblasts and is a plasma protein consisting of three non identical polypeptide chains. The alpha-chain (64kDa) and gamma chain (22kDa) are disulphide linked, these associate non-covalently with the beta-chain (64kDa), to form the native C8 molecule with a molecular weight of 151kDa. Normal plasma concentration is 80mg/L. C8 is one of the terminal proteins of the complement pathways. C8 binds to the membrane bound C5b-7, C5b-8 combines with C9 to form the membrane attack complex (MAC). The MAC forms a hydrophilic, protein walled, transmembrane channel, formation of which leads to cell lysis and destruction.

### Cellular localization

Secreted

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

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