

## Product datasheet

# 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> WB, ELISA, IHC-Fr, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Purified human C8
<b>Positive control</b>	Kidney from post streptococcal glomerulonephritis patients.

### 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

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
WB		Use at an assay dependent concentration. Predicted molecular weight: 151 kDa.
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

Application	Abreviews	Notes
-------------	-----------	-------

Flow Cyt

Use at an assay dependent concentration.

[ab170190](#) - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## 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"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors