

## Product datasheet

# Anti-Cy3 / Cy5 antibody [CY96] ab52060

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### Overview

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<b>Product name</b>	Anti-Cy3 / Cy5 antibody [CY96]
<b>Description</b>	Mouse monoclonal [CY96] to Cy3 / Cy5
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Dot blot, ELISA, IP, ICC, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	A mixture of proteins labelled with Cy3 or Cy5.

### General notes

Monoclonal antibodies to Cy3 and/or Cy5 are an important tool for Cy3/Cy5 signal amplification in assays where biomolecules are labelled with Cy3 or Cy5.

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.

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

### Properties

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<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 or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
<b>Purification notes</b>	Purified Mouse Immunoglobulin
<b>Primary antibody notes</b>	Monoclonal antibodies to Cy3 and/or Cy5 are an important tool for Cy3/Cy5 signal amplification in assays where biomolecules are labelled with Cy3 or Cy5.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	CY96

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab52060 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
Dot blot		Use a concentration of 1 - 2 µg/ml.
ELISA		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.

## Target

### Relevance

Cy3 and Cy5 are reactive watersoluble fluorescent dyes of the cyanine dye family used for labelling proteins, peptides, DNA, RNA, and other biomolecules. They are usually synthesized with reactive groups on either one or both of the nitrogen side chains so that they can be chemically cross-linked to nucleic acids or protein molecules. They are small, pH insensitive (between pH 3 and pH 10), soluble in aqueous solution and have tolerance to DMSO. They are more photostable than fluorescein, have high molar extinction coefficients and favorable quantum yields. They are used in many different biological assays, including DNA microarrays, protein microarrays, two-dimensional protein analysis, fluorescence resonance energy transfer, and immunocytochemistry. Cy3 is excited maximally at 550 nm and emits maximally at 570 nm, in the green part of the spectrum. Cy5 is excited maximally at 649 nm and emits maximally at 670 nm, in the red part of the spectrum.

**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.

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