

## Product datasheet

# Anti-Polyoma virus, Medium T antigen antibody [PyMT] ab15085

★★★★★ [1 Abreviews](#) [19 References](#)

### Overview

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<b>Product name</b>	Anti-Polyoma virus, Medium T antigen antibody [PyMT]
<b>Description</b>	Rat monoclonal [PyMT] to Polyoma virus, Medium T antigen
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> IP, ICC/IF, WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Polyomavirus
<b>Immunogen</b>	Synthetic peptide (N terminal).

### General notes

Binds medium T antigen only, allows isolation of viral T antigens.

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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
<b>Primary antibody notes</b>	Binds medium T antigen only, allows isolation of viral T antigens.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	PyMT
<b>Myeloma</b>	NS1
<b>Isotype</b>	IgG2b

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab15085 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
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB	★★★★★ (1)	Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

## Target

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**Relevance** Middle T antigen (MT) is a 421-amino-acid protein associated with membranes and underlying cytoskeletal elements, and is associated with a tyrosine-specific protein kinase activity. It is the principal oncoprotein of polyomavirus that is necessary and often sufficient for transformation in vitro. MT delivered as a transgene or a retrovirus can induce tumors in a wide variety of tissues. Polyomavirus (PyV) is a small, double-stranded, closed-circular-DNA virus with an approximately 5-kb genome divided into two roughly equal regions. The late transcripts produce the viral capsid proteins, whereas the early region encodes three so-called tumor (T) antigens that are important for both productive infection and transformation.

**Cellular localization** Cytoplasmic location in cells infected with virus.

**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

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- 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
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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

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