

## Product datasheet

# violetFluor™ 450 Rat IgG2α, monoclonal [2A3] - Isotype Control ab253065

### Overview

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<b>Product name</b>	violetFluor™ 450 Rat IgG2α, monoclonal [2A3] - Isotype Control
<b>Conjugation</b>	violetFluor™ 450. Ex: 405nm, Em: 450nm
<b>Specificity</b>	ab253065 binds to TNP (trinitrophenol), a hapten not expressed on mouse or human cells.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Immunogen</b>	Chemical/ Small Molecule. TNP hapten.
<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>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Store In the Dark.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.16% Sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from TCS.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2A3
<b>Isotype</b>	IgG2α
<b>Relevance</b>	There are four IgG subclasses (IgG1, 2, 3 and 4) in humans, named in order of their abundance in serum (IgG1 being the most abundant). The IgG2α Ig subclass plays a critical role in the pathogenesis of humoral auto-immunity and protection against pathogens.
<b>Cellular localization</b>	Secreted

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab253065 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
Flow Cyt		Use at an assay dependent concentration. This antibody preparation has been quality-tested for flow cytometry using an appropriate cell type. The isotype control should be used at the same concentration as the primary antibody for which it is a control.

**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
- 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

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