

Product datasheet

APC/Cy7® Rat IgG2b, monoclonal [LFT-2] - Isotype control ab253042

Overview

Product name	APC/Cy7® Rat IgG2b, monoclonal [LFT-2] - Isotype control
Conjugation	APC/Cy7®. Ex: 650nm, Em: 774nm
Specificity	ab253042 has an unknown binding specificity.
Tested applications	Suitable for: Flow Cyt
General notes	<p>This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva.</p> <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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.16% Sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin</p>
Purity	Affinity purified
Purification notes	Purified from tissue culture supernatant. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation.
Clonality	Monoclonal
Clone number	LTF-2
Isotype	IgG2a
Relevance	IgG2 is divided into two subclasses; IgG2a and IgG2b. It is a glycoprotein which consists of two

identical heavy chains (50 kDa each) and two identical light chains (25 kDa each), to give a combined mass of approximately 150 kDa. The chains are held in place by covalent disulfide bonds. Each light chain contains two immunoglobulin (Ig) domains, while the heavy chains contain four Ig domains each. In the middle of each heavy chain is a relative varying portion called the "hinge region" which is unique to each IgG. This region allows for molecular flexibility and sets IgG apart from its IgG counter-parts. Properties of IgG2b include neutralization of toxins and diffusion in the extracellular space.

Cellular localization

Secreted

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab253042 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. Please note: This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.

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
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- Response to your inquiry within 24 hours
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- 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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