

Product datasheet

Anti-Caffeine antibody [F1-P2B1G1] ab116596

Overview

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<b>Product name</b>	Anti-Caffeine antibody [F1-P2B1G1]
<b>Description</b>	Mouse monoclonal [F1-P2B1G1] to Caffeine
<b>Host species</b>	Mouse
<b>Specificity</b>	ab116596 shows reactivity with Chemical samples.
<b>Tested applications</b>	<b>Suitable for:</b> IP, ELISA, RIA
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Caffeine-3 conjugated to KLH.
<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 (up to 6 months). Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituents: 0.019% Potassium chloride, 0.14% Potassium phosphate, 0.79% Sodium chloride, 0.1% BSA
<b>Purity</b>	DEAE-Chromatography
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	F1-P2B1G1
<b>Isotype</b>	IgG2b

Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab116596 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 dilution.
ELISA		Use at an assay dependent dilution.
RIA		Use at an assay dependent dilution.

## Target

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### Relevance

Caffeine is a naturally occurring chemical that is present in tea, cola nuts, guarana and coffee. It is able to stimulate the central nervous system, cardiac muscle, stimulate the respiratory system, act as a diuretic and delay fatigue. The chemical structure for caffeine is 1,3,7-tri methylxanthine. As a modified purine it can act as an inhibitor of enzymes that use compounds containing adenine or guanine as substrates.

**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