

Datasheet: MCA5716G

Description:	MOUSE ANTI BENZOYLECGONINE
Specificity:	BENZOYLECGONINE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BE3
Isotype:	IgG1
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Immunoassay	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Chemical
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
RRID	AB_10895971

Specificity

Mouse anti Benzoylcgonine antibody, clone BE3 recognizes benzoylecgonine, a metabolite of benzoylmethylecgonine. Benzoylmethylecgonine is also known as cocaine

or coke, an alkaloid extracted from the leaves of the South American coca plant, *Erythroxylon coca*. Coca leaves are traditionally chewed or sucked, causing a slow absorption and hence a slow onset of action. Cocaine hydrochloride, however, is a white crystalline powder that may be snorted, resulting in very quick absorption and action. It may also be used intravenously or smoked as “crack”. Historically it has had many medicinal uses, including as an analgesic and local anesthetic. Currently, the drug is a controlled substance.

Cocaine stimulates the central nervous system, resulting in increased alertness, euphoria and a sense of confidence and physical strength. It can increase blood pressure, heart rate and body temperature and, once the effects are worn off, may result in anxiety, fatigue and depression. In the body cocaine is rapidly converted to metabolites, mainly benzoylecgonine and ecgonine methyl ester, with benzoylecgonine being the main urinary metabolite.

Intended Use	Bio-Rad recommends that the user determines this product’s suitability for any particular application.
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Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP

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To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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