

Datasheet: MCA5718G

Description:	MOUSE ANTI METHADONE
Specificity:	METHADONE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MD1
Isotype:	IgG2b
Quantity:	1 mg

Product Details

RRID AB_10843453

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 from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Specificity **Mouse anti Methadone antibody, clone MD1** recognizes methadone, a synthetic opioid. It is used as an analgesic and cough medication. It is long-acting and therefore useful for managing chronic pain.

Methadone is commonly used for the management of opioid dependence. Oral doses can decrease withdrawal symptoms while higher doses can block the euphoric effects of heroin, morphine and similar drugs. Its long half-life and limited adverse effects make it ideal for dependence

management. Withdrawal from high doses of methadone may take much longer than that of heroin or morphine.

Methadone itself may be addictive and tolerance may develop, as with all opiates. Overdose may result in stupor, hypertension, coma and circulatory collapse.

Intended Use	Bio-Rad recommends that the user determines this product's suitability for any particular application.
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Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	18 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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG2b (HCA038...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP

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