

Datasheet: MCA5718G

BATCH NUMBER 270815

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|----------------------|----------------------|
| Description: | MOUSE ANTI METHADONE |
| Specificity: | METHADONE |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | MD1 |
| Isotype: | IgG2b |
| 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.

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|---------------------------------------|-----------------------------------------------------------------------------------------------|
| 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 (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |
| RRID | AB_10843453 |

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| 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. |
| 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. |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA5718G 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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

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