

Datasheet: 2400-1986

BATCH NUMBER 161336

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| Description: | MOUSE ANTI HUMAN CREATINE PHOSPHOKINASE (MB) |
| Specificity: | CREATINE PHOSPHOKINASE (MB) |
| Other names: | CKMB |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | 1302 (1F2/1) |
| Isotype: | IgG2b |
| Quantity: | 0.1 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 |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| Western Blotting | | | ▪ | |
| IRMA | ▪ | | | |

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 the appropriate negative/positive controls.

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| Target Species | Human |
| 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 | IgG concentration 1.0 mg/ml |

Concentrations

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| Immunogen | Highly purified human CKMB. |
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External Database Links

UniProt:

[P06732](#) [Related reagents](#)

[P12277](#) [Related reagents](#)

Entrez Gene:

[1158](#) CKM [Related reagents](#)

[1152](#) CKB [Related reagents](#)

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| Synonyms | CKBB, CKMM |
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| RRID | AB_617234 |
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Specificity

Mouse anti creatine phosphokinase antibody, clone 1302 recognizes creatine phosphokinase, also known as creatine kinase (CK), is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and consumes adenosine triphosphate (ATP) to create phosphocreatine and adenosine diphosphate (ADP).

In cells, the "cytosolic" CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes: CKMM, CKBB and CKMB.

Mouse anti creatine phosphokinase antibody, clone 1302 recognises CKMB but does not distinguish between isoform CKMB1 and CKMB2. Mouse anti creatine phosphokinase antibody, clone 1302 shows less than 0.1% reactivity with CKBB or CKMM and minimal reactivity with other human serum proteins.

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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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: https://www.bio-rad-antibodies.com/SDS/2400-1986 10040 |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

| | |
|---|---|
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| 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 |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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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