

Datasheet: VMA00404

BATCH NUMBER 160303

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|----------------------|-----------------------------------|
| Description: | MOUSE ANTI CREATINE PHOSPHOKINASE |
| Specificity: | CREATINE PHOSPHOKINASE |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | E05/10G2 |
| Isotype: | IgG1 |
| Quantity: | 100 µl |

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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

| | |
|---------------------------------|--|
| Target Species | Human |
| Species Cross Reactivity | Reacts with: Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. |
| Product Form | Purified IgG - liquid |
| Preparation | Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |

| | |
|---------------------------------------|---|
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | <i>E.coli</i> -derived recombinant human creatine phosphokinase |
| External Database Links | <p>UniProt:</p> <p>P12277 Related reagents</p> <p>P06732 Related reagents</p> <p>Entrez Gene:</p> <p>1152 CKB Related reagents</p> <p>1158 CKM Related reagents</p> |
| Synonyms | CKBB, CKMM |
| Specificity | <p>Mouse anti Human creatine phosphokinase antibody, clone E05/10G2 recognizes creatine phosphokinase which reversibly catalyzes the transfer of phosphate between ATP and creatine to produce creatine phosphate. In cells, the cytosolic creatine phosphokinase enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes with homodimers or heterodimers of the M and B types: CKMM or CKBB and CKMB respectively. CKBB is found in the brain while CKMB occurs in heart tissue (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human creatine phosphokinase antibody, clone E05/10G2 detects a band of 42 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Anti creatine phosphokinase detects a band of approximately 42 kDa in HEK293 cell lysates |
| Storage | Store undiluted at -20°C, avoiding repeated freeze thaw cycles. |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | PrecisionAb is a trademark of Bio-Rad Laboratories. |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00404 Antibody (10040) |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [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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