



# CK-MM mouse mAb

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | YP-Ab-16575   |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human   |
| <b>Applications</b>       | ELISA   |
| <b>Gene Name</b>          | ckmm  |
| <b>Protein Name</b>       |   |
| <b>Immunogen</b>          | Purified recombinant human CK-MM protein expressed in E.coli.   |
| <b>Specificity</b>        | This antibody detects Human CK-MM.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source</b>             | Monoclonal, Mouse   |
| <b>Purification</b>       | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | ELISA 1:10000-20000   |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | ≥90%  |
| <b>Storage Stability</b>  | -20°C/1 year  |
| <b>Synonyms</b>           | CKM; CKMM; Creatine kinase M; Creatine kinase M chain; Creatine kinase M type; Creatine kinase M-type; Creatine kinase muscle; Creatine kinase, muscle type; KCRM_HUMAN; M-CK; MCK; Muscle creatine kinase.   |
| <b>Observed Band</b>      |   |
| <b>Cell Pathway</b>       | Cytoplasm.  |
| <b>Tissue Specificity</b> | Liver,  |
| <b>Function</b>           | catalytic activity:ATP + creatine = ADP + phosphocreatine.,function:Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.,online information:CKM entry,online information:Creatine kinase entry,similarity:Belongs to the ATP:guanido phosphotransferase family.,subunit:Dimer of identical or non-identical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain., |
| <b>Background</b>         | The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in  |



striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008],

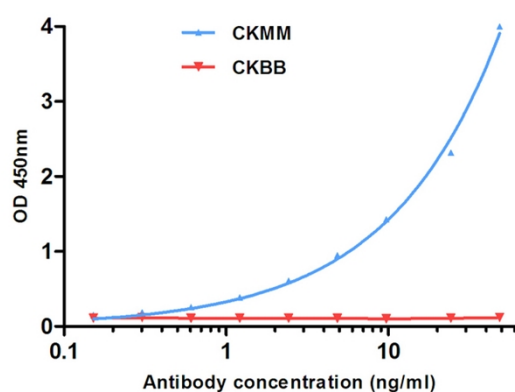
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Indirect ELISA assay for anti-CK-MM mouse mAb.CKBB as control antigen. Antigen coating concentration: 4ug/ml.