

# Rat Creatine Kinase MB isoenzyme ELISA Kit | CKMB elisa kit

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CATALOG #  
**AAA86247**

REACTIVITY  
**Rat**

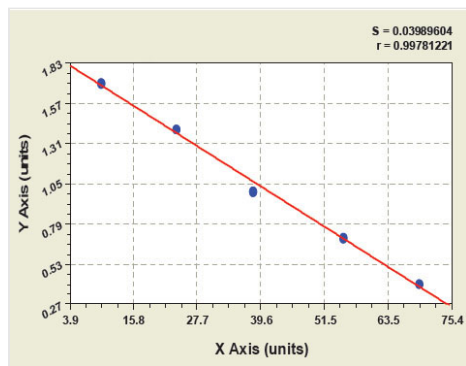
## PRODUCT SYNONYMS

Creatine Kinase MB isoenzyme; Rat Creatine Kinase MB isoenzyme ELISA Kit; CKMB elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                   |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Detection Range         | 2.5-50ng/mL                                                                                                                                                                           |
| Sensitivity             | 0.1ng/ml                                                                                                                                                                              |
| Intended Uses           | This CKMB ELISA kit is a 1.5 horn- solid-phase ELISA designed for The quantitative determination of Rat CKMB. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                   |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for CKMB elisa kit

**Principle of the Assay:** CKMB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CKMB antibody and an CKMB-HRP conjugate. The assay sample and buffer are incubated together with CKMB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CKMB concentration since CKMB from samples and CKMB-HRP conjugate compete for the anti-CKMB antibody binding site. Since the number of sites is limited, as more sites are occupied by CKMB from the sample, fewer sites are left to bind CKMB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CKMB concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | <a href="#">6978661</a>                               |
| NCBI GeneID                      | <a href="#">24265</a>                                 |
| NCBI Accession #                 | <a href="#">NP_036662.1</a>                           |
| NCBI GenBank Nucleotide #        | <a href="#">NM_012530.2</a>                           |
| Molecular Weight                 | 43,045 Da                                             |
| NCBI Official Full Name          | creatine kinase M-type                                |
| NCBI Official Synonym Full Names | creatine kinase, muscle                               |
| NCBI Official Symbol             | Ckm                                                   |
| NCBI Official Synonym Symbols    | Ckmm                                                  |
| NCBI Protein Information         | creatine kinase M-type; M-CK; creatine kinase M chain |
| UniProt Protein Name             | Creatine kinase M-type                                |
| UniProt Gene Name                | <b>Ckm</b>                                            |
| UniProt Synonym Gene Names       | Ckmm                                                  |
| UniProt Entry Name               | KCRM_RAT                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.