

## Human creatine kinase, muscle ELISA Kit | CKM elisa kit

Human Creatine kinase M-type, CKM ELISA Kit

CATALOG #  
**AAA112770**

REACTIVITY  
**Human**

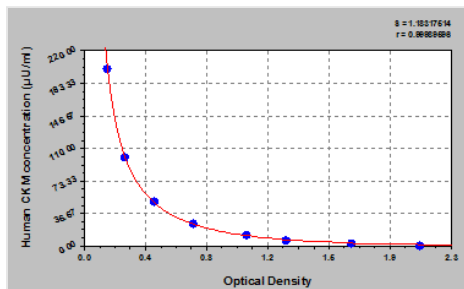
### PRODUCT SYNONYMS

creatine kinase; muscle; Human Creatine kinase M-type; CKM ELISA Kit; Human Creatine kinase M-type (CKM) ELISA kit; CKMM; M-CK; creatine kinase M chain; creatine kinase-M; muscle creatine kinase; CKM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human CKM. No significant cross-reactivity or interference between Human CKM and analogues was observed.                                                                                                                                       |
| Sequence Length         | 381                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                         |
| Assay Type              | Competitive                                                                                                                                                                                                                                                                                                               |
| Detection Range         | 3.12uU/ml-200 uU/ml                                                                                                                                                                                                                                                                                                       |
| Sensitivity             | 1.56 uU/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume           | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CKM elisa kit | <b>Principle of the Assay:</b> This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with CKM. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated antibody preparation specific for CKM. The competitive inhibition reaction is launched between with pre-coated CKM and CKM in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of CKM in the sample. The color development is stopped and the intensity of the color is measured. |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 21536288                                        |
| NCBI GeneID                      | 1158                                            |
| NCBI Accession #                 | NP_001815.2                                     |
| NCBI GenBank Nucleotide #        | NM_001824.4                                     |
| UniProt Accession #              | P06732; Q96QL9                                  |
| Molecular Weight                 | 43,101 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; M-CK                                      |
| NCBI Protein Information         | creatine kinase M-type; 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_HUMAN                                      |

**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.

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Online datasheet: <https://stage.aaabiotech.com/ckm-human-elisa-kits/creatine-kinase-muscle/112770>