

## Bovine Creatine Kinase, Muscle (CKM) ELISA Kit | CKM elisa kit

Bovine Creatine Kinase, Muscle (CKM) ELISA Kit

CATALOG #  
**AAA68247**

REACTIVITY  
**Bovine**

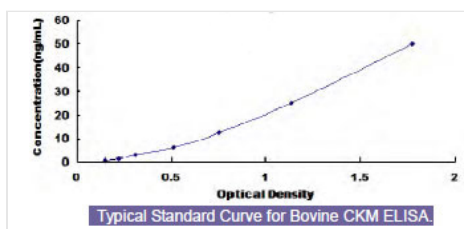
### PRODUCT SYNONYMS

Creatine Kinase; Muscle (CKM); Bovine Creatine Kinase; Muscle (CKM) ELISA Kit; CKM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CKM. No significant cross-reactivity or interference between CKM and analogues was observed.                                    |
| Sequence Length         | 381                                                                                                                                                                                                        |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.                                                                                                      |
| Assay Type              | Sandwich                                                                                                                                                                                                   |
| Detection Range         | 12.5-800U/L                                                                                                                                                                                                |
| Sensitivity             | 4.65U/L                                                                                                                                                                                                    |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CKM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CKM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%    |
| Preparation and Storage | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CKM elisa kit | <p>Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CKM in bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CKM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CKM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CKM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CKM in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

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|---------------------------|------------------------|
| NCBI GI #                 | 60097925               |
| NCBI GeneID               | 286822                 |
| NCBI Accession #          | NP_777198.2            |
| NCBI GenBank Nucleotide # | NM_174773.4            |
| UniProt Accession #       | Q9XSC6; Q5E9Y4         |
| Molecular Weight          | 42,989 Da              |
| NCBI Official Full Name   | creatine kinase M-type |
| NCBI Official Symbol      | CKM                    |
| NCBI Protein Information  | creatine kinase M-type |
| UniProt Protein Name      | Creatine kinase M-type |
| UniProt Gene Name         | CKM                    |

**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.