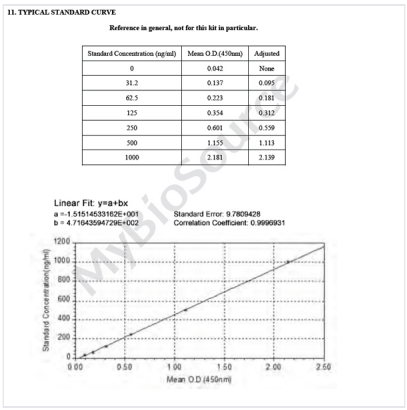
Creatine Kinase Mb Isoenzyme (CKMB) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Creatine Kinase Mb Isoenzyme (CKMB), ELISA Kit
Full Product Name	Human Creatine Kinase Mb Isoenzyme ELISA Kit
Product Gene Name	CKMB elisa kit
Species Reactivity	Human
Samples	Serum, Plasma, Tissue Homogenate, Feces, Urine and Body Fluids
Detection Range	3.12 U/L ~ 100 U/L.
Sensitivity	1.0 U/L.
Specificity	This kit recognizes recombinant and natural Human CKMB, no significant cross-reactivity or interference was observed.
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) are less than 15%.
Intra-assay Precision	Intra-assay CV (%) are less than 15%.
Intended Uses	This ELISA kit is intended for laboratory in vitro research use only, not for drug, household or other use! The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm by a spectrophotometer. In order to measure the concentration of Human CKMB in the sample, this ELISA kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus Human CKMB concentration. The concentration of Human CKMB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Related Product Information for CKMB elisa kit	**Introduction:** ELISA is a simple and highly sensitive method of analysis that allows for simultaneous and rapid quantification of a large number of samples. The assay is based on the specific recognition of the target compound (analyte/antigen) by antibodies which bind to the compound. The antigen-antibody complex is detected and measured with the aid of an enzyme-labeled antibody or antigen. Upon addition of a non-colored reagent, the enzyme produces a color reaction where the color intensity is directly or inversely proportional to the concentration of the analyte in the sample.
Other Notes	Small volumes of CKMB elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CKMB purchase	MBS040898 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Creatine Kinase Mb Isoenzyme (CKMB) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CKMB. The ELISA analytical biochemical technique of the MBS040898 kit is based on CKMB antibody-CKMB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CKMB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CKMB. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



11. TYPICAL STANDARD CURVE

Reference in general, not for this kit in particular.

Standard Concentration (ng/ml)	Mean O.D.(450nm)	Adjusted
0	0.042	None
31.2	0.137	0.095
62.5	0.223	0.181
125	0.354	0.312
250	0.601	0.559
500	1.155	1.113
1000	2.181	2.139

Linear Fit: y=a+bx
a = -1.51514533162E+001
b = 4.71643594729E+002
Standard Error: 9.7809428
Correlation Coefficient: 0.9999931

Typical Testing Data/Standard Curve (for reference only) of CKMB elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/ckmb-human-elisa-kits/creatine-kinase-mb-isoenzyme/40898