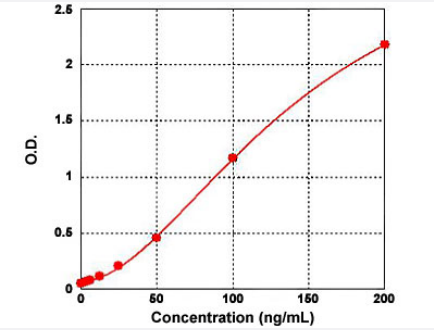
CKMB (Human) ELISA Kit

Catalog # KA4786 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CKMB (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CKMB.
Suitable Sample	Cell culture supernatants, Plasma, Serum, Tissue homogenates
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	3.12 to 200 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of demonstration only and should not be used to calculate unkn owns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 4 months, or at -20°C for 8 months.

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Applications

- Quantification

Gene Info — CKB

Entrez GeneID	1152
Gene Name	CKB
Gene Alias	B-CK, CKBB
Gene Description	creatine kinase, brain
Omim ID	123280
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized. [provided by RefSeq
Other Designations	brain creatine kinase|creatine kinase B-chain|creatine kinase-B

Gene Info — CKM

Entrez GeneID	1158
Gene Name	CKM
Gene Alias	CKMM, M-CK
Gene Description	creatine kinase, muscle
Omim ID	123310
Gene Ontology	Hyperlink

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Gene Summary	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
Other Designations	creatine kinase M chain|creatine kinase-M|muscle creatine kinase

Pathway

- Arginine and proline metabolism
- Arginine and proline metabolism
- Metabolic pathways
- Metabolic pathways

Disease

- Body Weight
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Macular Degeneration
- Task Performance and Analysis

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